Ministry of Education, Sport and Youth & PwC Cyprus

CONFERENCE:

"Connecting Higher Education with Labour Market: Building the Future-Ready Workforce"

Nicosia, CYPRUS 9-10 May 2024

"Models for assessing quality in HE sector, graduates employability and innovation in curricula profiles"

AlmaLaurea overview

Valentina CONTI Dorel MANITIU AlmaLaurea Interuniversity Consortium, Bologna, Italy



Overview

AlmaLaurea is an Interuniversity Consortium founded in Italy 1994 at the University of Bologna

Since 2015 AlmaLaurea is in the SISTAN system, the network of units authorized to provide official statistical information in Italy





Main services provided



It surveys, every year, the Profile and the Employment status of university graduates 1, 3 and 5 years at graduation providing the member Universities, the Ministry of HE and the National Agency for Quality Assessment (ANVUR) with reliable documented data to favour decision-making processes and activities planning



It monitors students' educational path and analyses the features and performance of university graduates, allow comparison between universities, faculties and degree courses



It analyses internal and external efficacy of the HE education system by monitoring graduates' employability



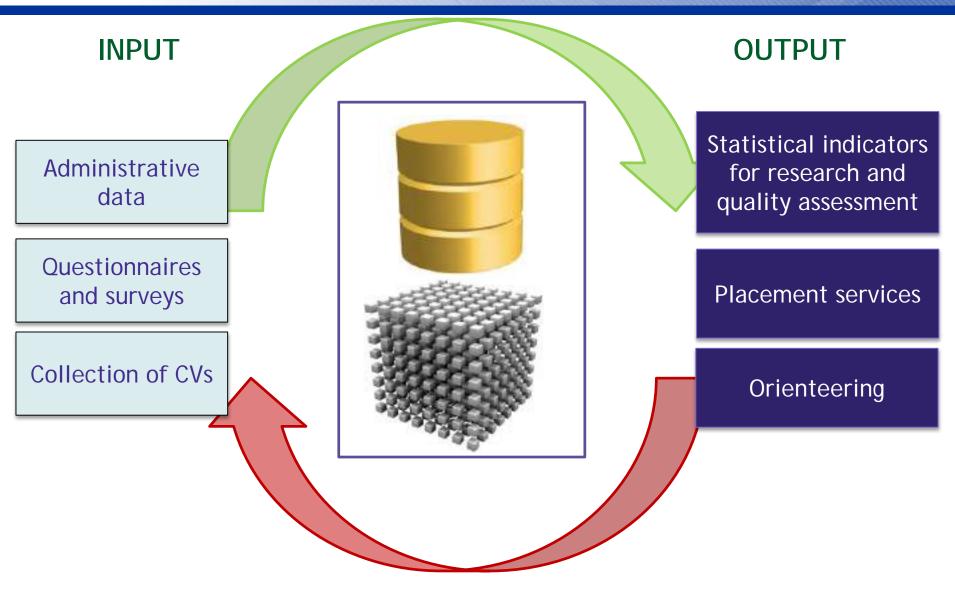
It collects and makes available online graduates' CVs (about 3.9 million) - encourage the match between supply of and demand for qualified labour



It guarantees the optimization of human resources through a steady update of data regarding the career of university graduates and PhDs



Core of the model: AlmaLaurea data warehouse





Dataflow: Data collection

Administrative data

- ➤ Data availability: 100%
- "certified" by the member Universities
- Information related to:
 - personal data (contact information, gender, country place and date of birth, residence, citizenship), university, enrollment date, degree course, degree type, graduation mark, duration of the degree course, title of the degree dissertation
- When: 3 times per year (May, September and January)
- ☐ How: standard data format defined by AlmaLaurea than uploaded on AlmaLaurea server

Questionnaires data*:

- > CAWI for graduates' profile questionnaires through AlmaLaurea web application
- CAWI-CATI for employments status questionnaires (CATI subcontracted)

*consent to data processing and use given by the graduates in accordance with GDPR



Data intergration and Quality Assurance

■ Data integration: administrative data are linked to graduates' profile questionnaires and later to the employment survey questionnaires so to create the integrated database for statistical elaboration

- Data cleaning and control check (QA):
 - preliminary data control and grammar check by AlmaLaurea software (SWAL)
 - Second set of control (coherence and consistency check):
 - record layout and identification of valid respondents;
 - duplicate interviews;
 - completeness of interviews;
 - consistency checks;
 - creation of new variables, etc.





- Graduates' census survey
- All AlmaLaurea member universities



- Continuous survey
- Web interviews (CAWI)
- At the end of the course of study

24th Survey (2022)

Graduates' Profile 2021

This Report was presented on 16/6/2022 at the University of Bologna.





■ Graduates' profile:

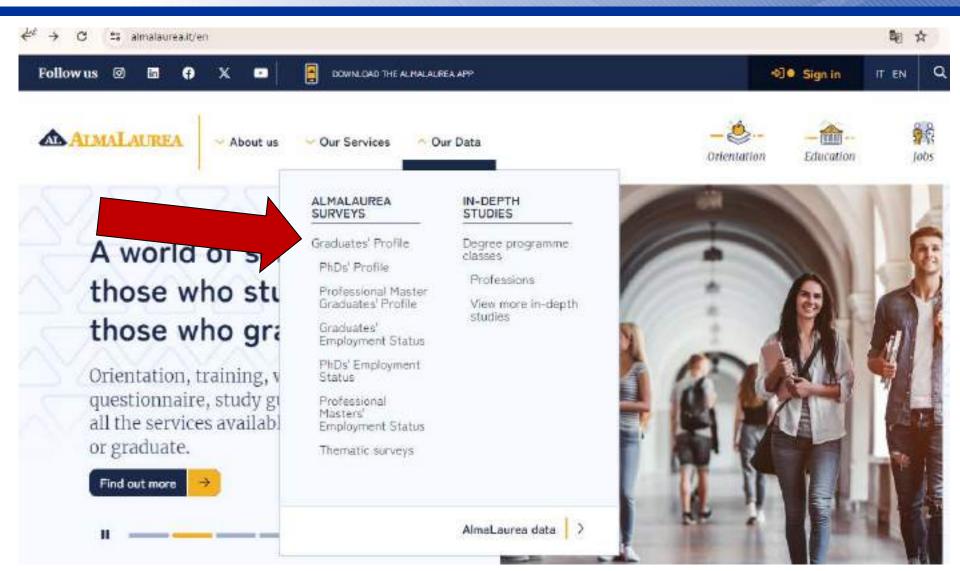
- Personal information and social background
- Secondary education
- Success in university studies
- Study conditions
- Work during studies
- Assessment of university experience
- Languages and IT skills
- Post graduate study prospects
- Work prospects



Consult data through an online query system

Compare data according to each university, faculty/department/school,
field of study, degree classification, degree programme type









SURVEYS

Graduates' Profile

This is our annual survey outlining the characteristics and performance of graduates who obtained their degrees at AlmaLaurea member universities.

Since 1999 AlmaLaurea has been carrying out the annual Survey on Graduates!

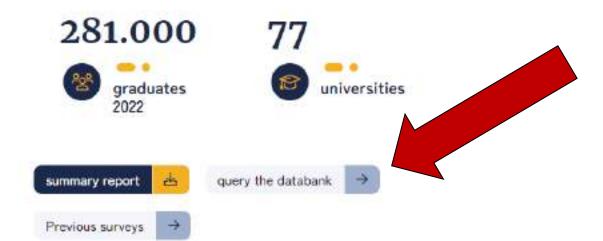
Profiles. The Survey provides a wide-ranging portrait of the characteristics of graduates, their university achievements, the experiences they have gained during their studies and the evaluation of the studies they have completed.

The rich informative value is ensured by integrating the statistical documentation from the survey questionnaire with the administrative data provided by our member universities.

25th Survey (2023)

Graduates' Profile 2022

This Report was presented on 12th June 2023 at the University of Palermo.





AlmaLaurea survey on graduates' profile: added value

Survey selection			Need some help		
		degree programme level (aggregation of degree programme type) [2]			
2022 V		all	v		
2022 💆		al			
estee programme type [3]		first-level	4.1		
all	Y	second-level	14		
Selection of cohort [296,397 graduates selected]					
STORED STREET,		2 GE 3 300 S			
hiversity [76]:	11 88	Faculty/Department/School:	EST		
all	v	all Available grey after having selected the university.	14		
		the analysis could be a second and the second and t			
broad field of study [4]:		field of study (15):			
all	1 1	all	¥		
			1223		
dogren classification;		dagree programme:	1000		
all	9	all	v		
wallable only after having selected the degree programme type	"Available only after having selected the degree programme type, the university and at least one				
		variable among the following: faculty, field of study or degree classification:			
employment status at graduation [2];		enralment in a second-level degree programme:			
all	18	all.			
This selection is limited to those interviewed because it is based on the questionnaire.		Available only after having selected first level in "degree programme type". The	is selection is		
		limited to those interviewed because it is based on the questionnaire.			
Comparison columns:					
have you selected the relevant cohort? Do you wish to break it down?		Data can be			
the desired comparison is not enabled appropriate selections must be made in "Sorve	ny selection ^b	and/or "Selection of cohurt". If a			
programme type" in order to make a comparison.		disaggregated by			
O :==		University, school,			
O degree programme level (aggregation of degree programme type)					
degree programme type		department, type	or cours		
O Liebourghy					
D Facury/Department/School		(BA, master)			



Graduates' employment status



- Graduates' census survey*
- All AlmaLaurea member universities



- Two reference period each year
- CAWI and CATI ierviewing
- At 1, 3 and 5 years from graduation

24th Survey - (2022)

Graduates' Employment status

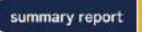
This Report was presented on 16/6/2022 at the University of Bologna.

660.000



76







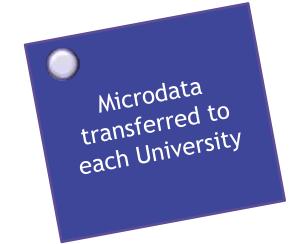
query the databank





Surveyed and processed data for the Graduates' employment status

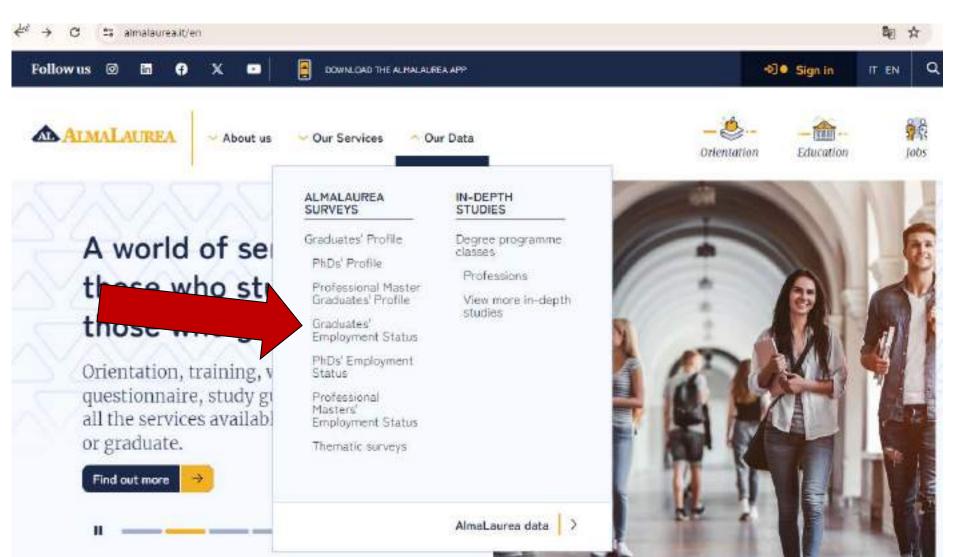
- Graduates' employment status:
 - Post degree studies
 - Employment status
 - Time of entry in the labour markets
 - Current Job characteristics
 - Company characteristics
 - Salaries
 - Need for and use of a degree in the current job
 - Degree effectiveness and satisfaction with the current job
 - Job search



Consult data through an online query system

Compare data according to each university, faculty/department/school, field
of study, degree classification, degree programme type







Graduates' employment status: Computer Engineering

Table 2 Definition of the effectiveness of graduation

We III	6 41 - 1 211 -	Request of the degree							
Use of the skills acquired at university		Required by law	Necessary	Useful	Not required by law	No answers given			
High		VE	VE	E	UC	UC			
Low		Е	FE	FE	NE	UC			
None		UC	UC	NE	IE	UC			
No an	answers given U		UC	UC	UC	UC			
VE	Very effect	ive E	Effective	FE F	airly effecti	ve			
NE	Not very	IE	Ineffective	UC U	Inclassifiable	?			

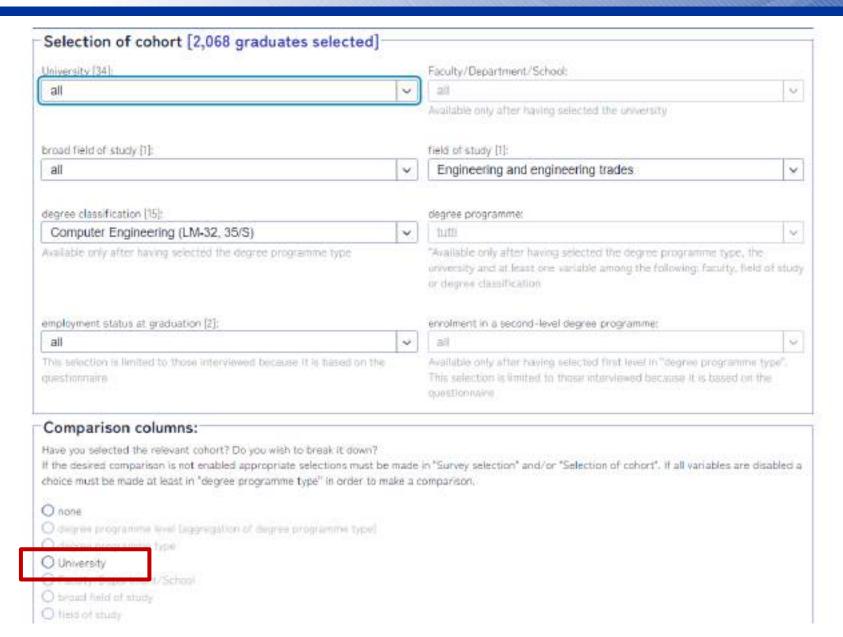
Employment Status Methodological notes:

effective

https://www2.almalaurea.it/cgi-php/universita/statistiche/note-metodologiche.php?lang=en&config=occupazione&anno=2022



Graduates' employment status: Computer Engineering



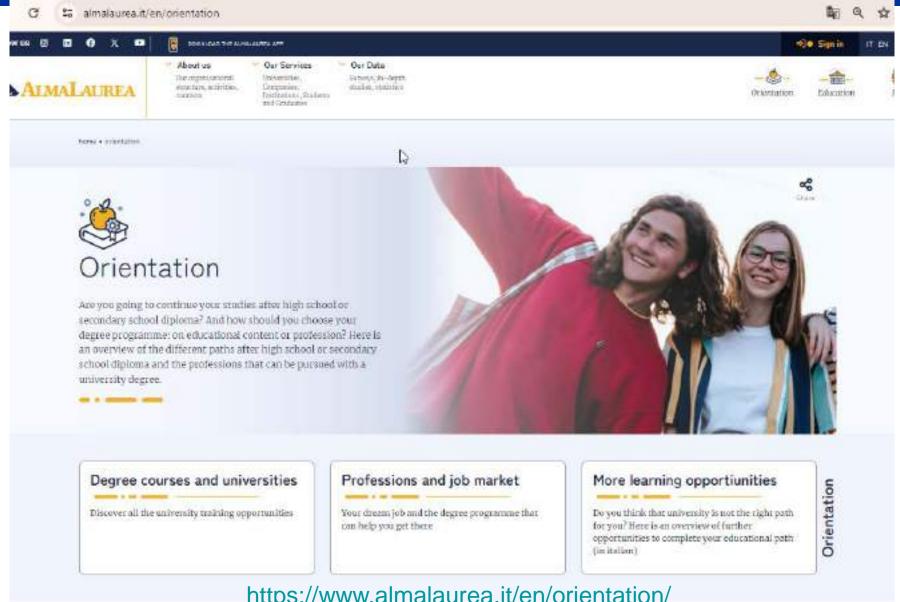


Graduates' employment status: Computer Engineering disaggregated by Universities

1. Survey population	Selected cohort								
		Bari Politecnico	Basilicata	Bergamo	Bologna	Siena ⁽¹⁾	Torino Politecnico	Trieste	Verona
Employment rate									
Male	94.0				93.0	*	93.6		*
Female	90.8		*		93.8	*	86.0		*
Total	93.6	95.5	100.0	95.8	93.1	92.9	92.5	100.0	96.8
Percentage of graduates who are not looking for a job but are attending a degree programme or are involved in an educational activity	1.2		-	-	1.5	7.1	1.0	-	_
Post-degree working experiences (%)									
Not working but have worked after graduation	2.8	4.5	-	-	3.1	-	3.9	-	3.2
Have never worked after graduation	3.6	-	-	4.2	3.8	7.1	3.6	-	-
Job search (%) 🖹									
Not working and not looking for a job	4.1	4.5	-	-	5.4	7.1	3.9	-	3.2
Not working but looking for a job	2.3	-	-	4.2	1.5	-	3.6	-	-
Unemployment rate 🖹	1.8	-	-	4.2	1.6	-	2.4	-	-

The data for this course is available for 34 University offering this study programme





https://www.almalaurea.it/en/orientation/



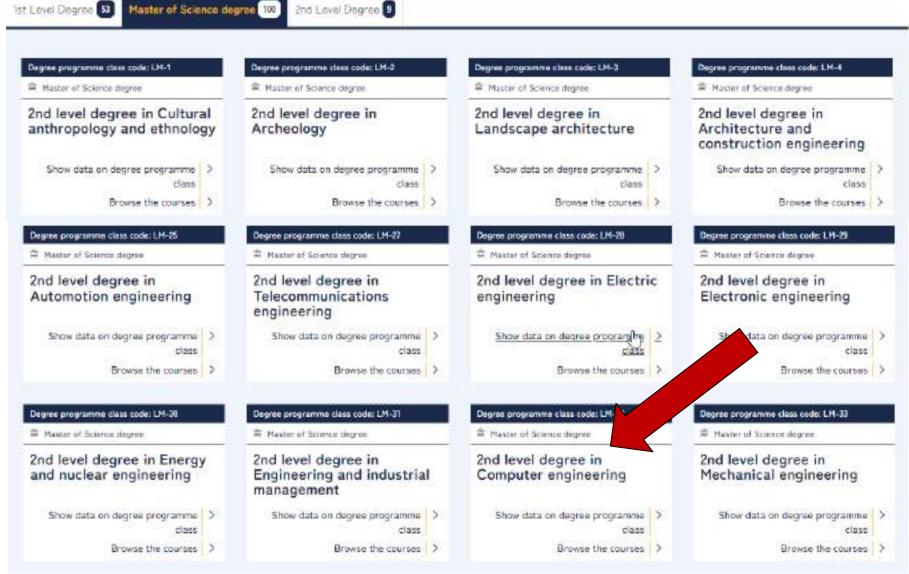






https://www.almalaurea.it/en/orientation/degree-programmes-and-universities





https://www2.almalaurea.it/cgi-asp/classi/?lang=en



DEGREE FROGRAMMS CLASSES

Master of science degree programme in Computer Engineering

Characteristics, edocational path and career opportunities: all you need to know about graduates and master of science degree programmes in Computer Engineering. Degree programm class

code:

LM-32, 35/S



77.9%

would enrol again in the same degree programme and at the same university





83.7%



16.3%

8

26.2 Age at graduation (average)

è

Study performance



59.3%

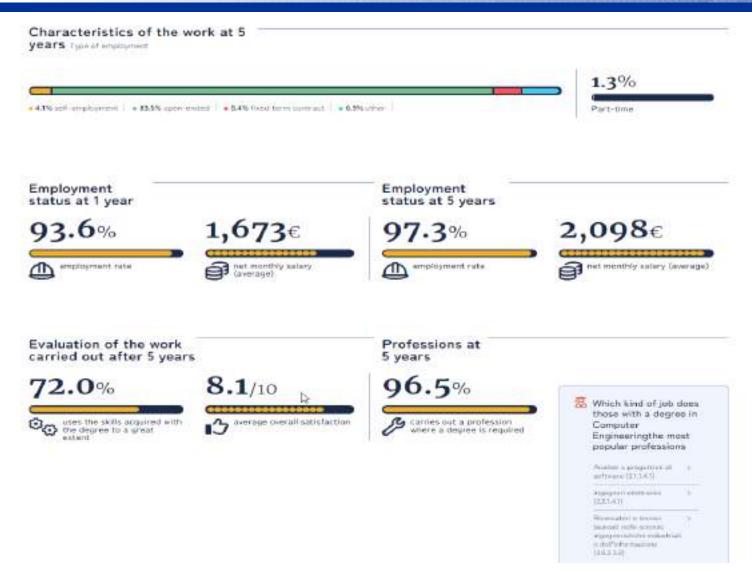
completes studies within the prescribed duration

107.7/110

graduation mark (average)

https://www2.almalaurea.it/cgi-asp/classi/?lang=en





https://www2.almalaurea.it/cgi-asp/classi/?lang=en



The Graduates' CV databank

- ➤ It gathers more than 3.900.000 CVs of Italian graduates and foreign graduates having obtained a degree in Italy
- > The CVs are available in Italian, English, French, German and Spanish
- Firms have at their disposal more than 100 search parameters in order to target the candidates to hire
- Firms can publish online job/internship offers; graduates can apply online and continuously update their CVs



How the system works: the added value

CVs certified by the graduates' belonging universities



One single databank gathering all the graduates' CVs

Graduates' data owned by the belonging universities

Benchmark and comparability of data



Economies of scale for carry out graduates' surveys



Value added of data integration

MAIN ADVANTAGES

of combining administrative and survey data include:

- o *Reduction of length, complexity and costs of the survey* (shorter surveys increase response rate and save the graduates time)
- Representativeness and completeness of the survey (availability of administrative data)
- Increase efficiency (similar information are taken once)
- Data quality (more accurate information)



Legal baseline

Ministry of University and Research (MUR) Decree of 25/03/2022 (Official Journal n.90/2002) – recognized AlmaLaurea as legal entity to implement the databank and continuously update students and graduates professional skills and careers path

D.M. n. 544/2007, D.D. n. 61/2008, D.M. n. 17/2010 e D.M. n. 50/2010 and most recents, D.M. n. 1154/2021, e D.M. n. 289/2021

The Universities must give information related to (among others: fees, drop out, etc.):

- % of employed graduates at 1 and 3 years after graduation,
- % of the students satisfied by the study programme



Legal baseline

Ministry Specific objectives: (last Ministry Decree from 2021 - every 3 years renewed)

- A. Enlarge the access to higher education;
- **B**. promote the research at global level and valorise its own participation to country competitiveness;
- C. innovate services for students to reduce the inequalities;
- **D**. be promoters for an international dimension;
- E. invest on young researchers and HEIs staff future.

Indicators that AlmaLaurea share with MUR:

Objective B - k) % of employed single cycle graduates at 1 year after graduation;

Objective C - a) % of graduates satisfied with their own programme course;

Objective D - e) % of graduates belonging to a "not high" socioeconomic status which had study experiences abroad;

Objective E - i) % of PhD students belonging to a "not high" socioeconomic status

Each HEI define its own objectives and receive the public funds when such objectives are reached. The programming has as purpose the quality enhancement of university system.



Financial sustainability

- 1. Each member University pay a fee to AlmaLaurea for:
 - running the surveys (CAWI),
 - collect the data,
 - clean the data,
 - data analysis,
 - draft and publish the reports
 - send back to each HEI the microdata

*CATI subcontracted by AlmaLaurea and each university pay

- 2. Ministry of University and Research (public contribution)
- 3. Placement services (AlmaLaurea Ltd. Since 2005)
 - free for students and graduates
 - at payment for companies:
 - to download the graduates CVs
 - 3 months: n. of CV to be download : 10 = fee 32€;
 - 6 months, n. of CV to download: 200 = 550€
 - other services as digital recruiting, employer branding, selection and pre-selection services, etc.





AlmaLaurea Ltd

Owned 100% by AlmaLaurea Interuniversity Consortium

Authorized from 2008 by Ministry of Labour to act as placement actor

23 staff members in offices in North, Center and South





Human capital selection services by AlmaLaurea Ltd.

Recruiting days

Companies can invite to the university recruiting days just the candidates targeted by using the search parameters provided by the AlmaLaurea's databank

> CV screening

Once the job posting is made by the company, AlmaLaurea Ltd. verifies the candidates' profiles and provides the company only with the matched profiles

CV pre-screening

AlmaLaurea Ltd. selects a restricted number of candidates (4 to 6) that match the company requirements and assesses the candidates in terms of availability for job interview, workplace preferences, remuneration expectations, IT and languages skills, earliest starting date, etc.

Assessment center

The pre-selected candidates are individually assessed in terms of soft skills so to highlight weaknesses and strengths with respect to the requirement needs



RECRUITING EVENTS

Recruiting Day

Events organised at **Companies** headquarter: opportunities to know the firm, its referees and career opportunities at that firm level

AlmaLaurea Ltd. select the participants profiles for Recruiting Day and can assist the firm during the event phase related to interviews and selection process.

About a month before the event a specific announcement is published and where is possible to register.

In few clicks there is the possibility to be invited at the event, to meet a HR responsible and have an individual or group interview.

Update the CV and add a good Motivation Letter

Fill the test «AlmaSkills» transversal skills and language test Send the Application. If your profile is positevely assessed, will receive an official invitation



PLACEMENT PLATFORM

Placement platform is based on CV databank

Companies:

- ✓ registration and accreditation
- ✓ opportunity job publishing and internship
- ✓ access to database
- ✓ recruitment events management
- √ company profile

Same platform is made available to university members for free

Each university has access to own graduates and visualizes the firms that are cooperate with, on the platform

Placement services offered by each universities are free of charge for enterprises

- university services depend on HEI own policy and rules



PLACEMENT PLATFORM

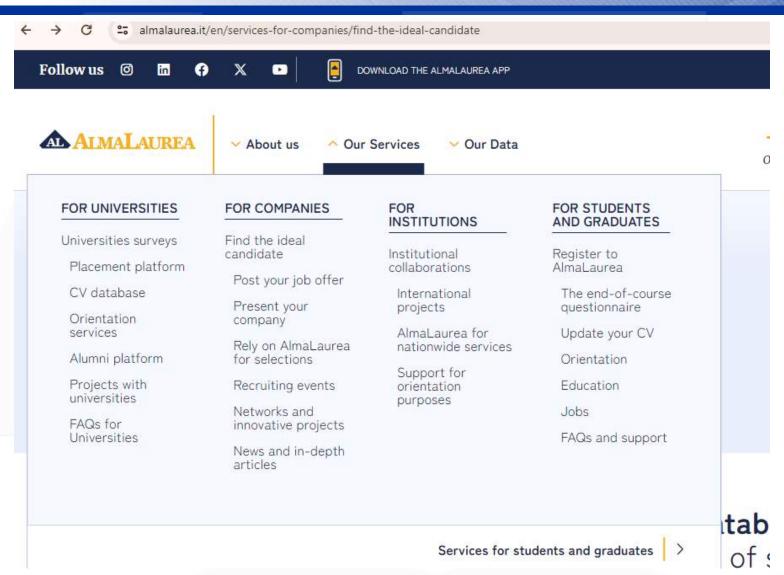
Placement Platform offer also Internship services to universities (used now by 14 HEIs)

- intermediation of agreements between HEIs and hosting organisation
- Feedbacks surveys: intern and employer (hosting organisation), etc.

New: Platform for Alumni Network Management (used now by 12 HEIs)

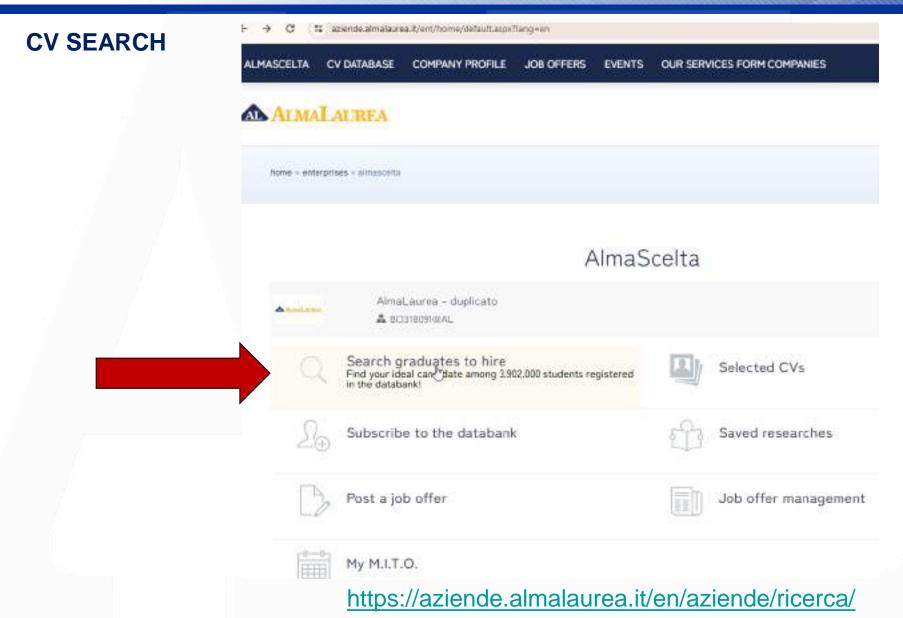


DATA QUERY AND CV SEARCH



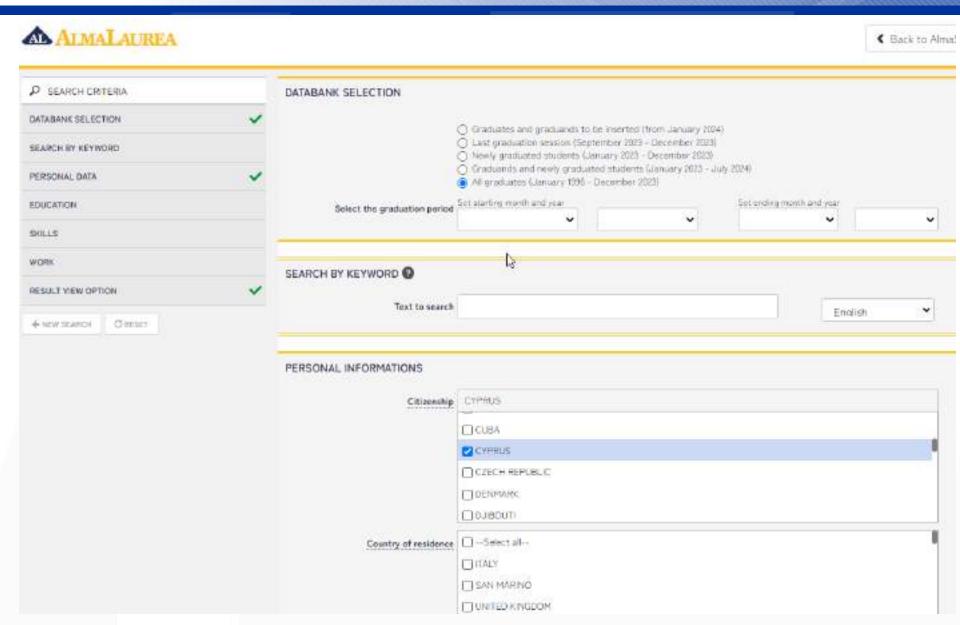


DATA QUERY AND CV SEARCH





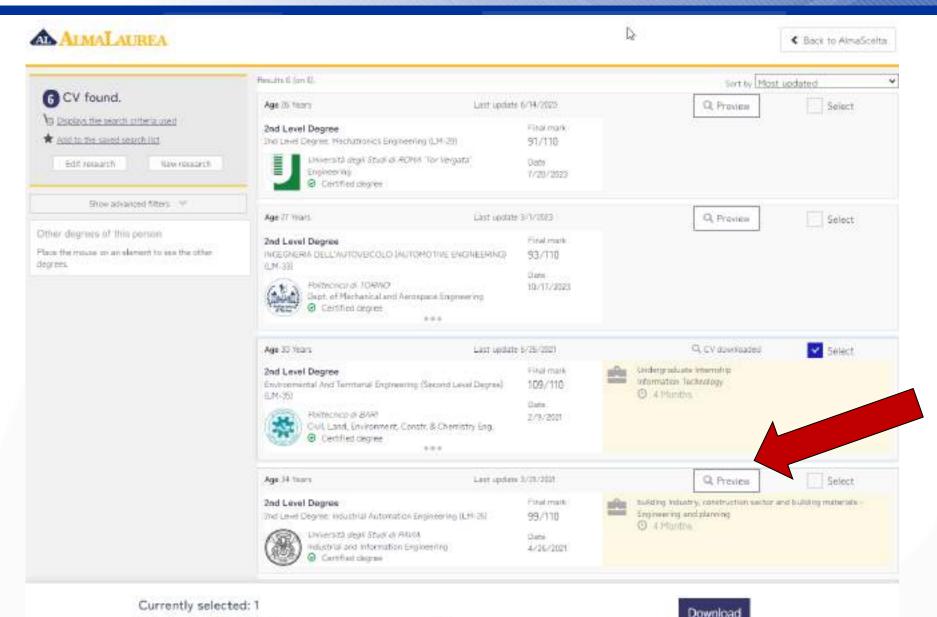
DATA QUERY AND CV SEARCH





Degree Level	First level degree	Second level degree	
Degree Level			
Kind of degree	Master's degree post reform		
	Bachelor's degree post reform 3 y	ears	
	Master's degree post reform		
	University degree pre reform 4/5/	6 years	
	University diploma pre reform 2/3	years	
	1st Level Degree - HE Arts, Music	and Drama	
Disciplinary area	Engineering		
	☐ Economics, Statistics		
	Education		
	✓ Engineering		
	Foreign Languages		
	Geology, Biology, Geography		
Degree course classification	Aerospace And Aeronautical Engir	neering (2)	
	Automotion Engineering (2)		









Nationality/citizenship/Cyprus

ID 4935981 updated on 21/03/21

FOREIGN LANGUAGE SKILLS



MOTHER TONGUE(S): Greek



ENGLISH GOOD	B2	B2	B2	B2	B2
ITALIAN EXCELLENT	C2	C2	C2	C2	C2

EXPECTATIONS AND FEATURES OF THE DESIRED JOB

ECONOMIC SECTOR: 1. mechanical engineering and precision engineering / 2. consultancy (management, legal, accounting, ...) / 3. aeronautics, aerospace, shipbuilding



WORK EXPERIENCES

Internship - Automation and Lean Engineer BMI GROUP (ROOFING AND WATERPROOFING)

Infrastructures, construction industry CASTELLETTO DI BRANDUZZO (PV) 05/2019 - 08/2019

Electrical Network Designer SIEMENS ITALIA

Energy, gas, water, mining MILANO [MI] 03/2014 - 03/2018

other information

Main activities and responsibilities: Project: Lean manufacturing implementation

Employed as: intern/trainee | Company sector: Engineering and design

Main activities and responsibilities: Project: Electrical network configuration for the replacement of the old SCADA Systems for the Hellenic Electricity Distribution Network Operator S.A. Employed as: intern/trainee - indeterminate length contract | Company sector: Engineering and design

Currently employed: Yes



CAREER FIELD: 1. Engineering and design / 2. Organization / 3. R&D and patents

PREFERRED DISTRICT TO WORK IN: 1. MILANO /2. MONZA E DELLA BRIANZA

AVAILABILITY FOR BUSINESS TRAVELS:

Yes, even frequently

AVAILABILITY TO RELOCATE ABROAD: Yes, even in non-European countries



ACADEMIC STUDIES

MASTER'S DEGREE 2017 - 2021 CERTIFIED TITLE



Università degli Studi di PAVIA

Dipartimento di Ingegneria Industriale e dell'Informazione INDUSTRIAL AUTOMATION ENGINEERING - INGEGNERIA DELL'AUTOMAZIONE INDUSTRIALE

specific field of the degree course: industrial technologies and management

LM-25 - 2nd level degree in Automation engineering

Dissertation/thesis title: MINDSET TRANSFORMATION IN THE CLAIMS MANAGEMENT AREA THROUGH ADOPTION OF LEAN THINKING

PRINCIPLES | Thesis supervisor: MALCOVATI PIERO Age at graduation: 31 | Official duration: 2 years

Final degree mark: 99/110 Graduation date: 26/04/2021



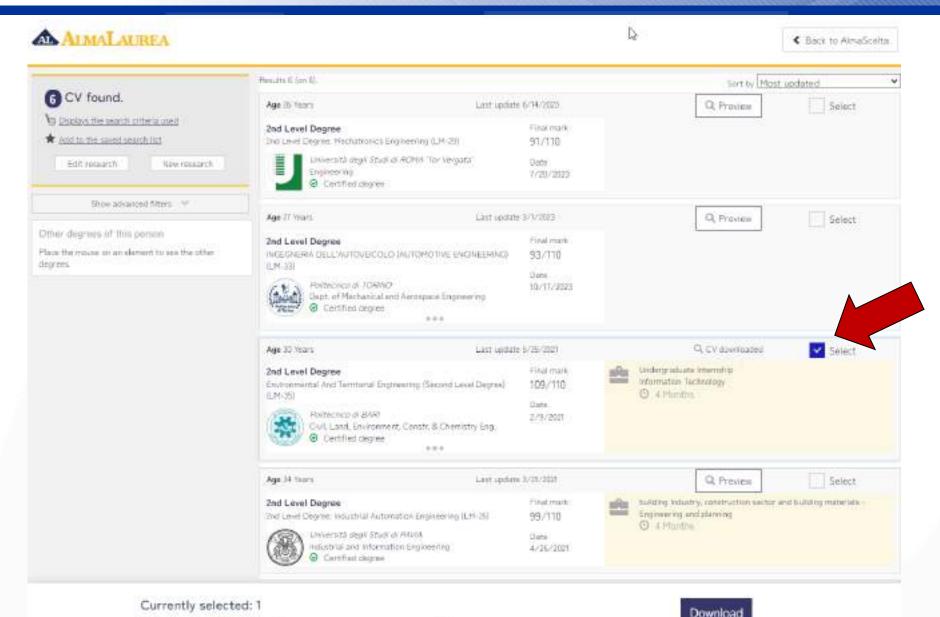


INFORMATION TECHNOLOGY SKILLS

BASIC DIGITAL COMPETENCE

Word processing Good Electronic spreadsheet Good









DESIRED JOB

ECONOMIC SECTOR: 1. consultancy (management, legal, accounting, ...) 2. energy, gas, water, mining 3. environmental protection

CAREER FIELD: 1. Engineering and design. 2. Quality and security

DESIRED JOB: Environmental engineer

PREFERRED DISTRICT TO WORK IN. 1. BARI 2. ROMA

AVAILABILITY FOR BUSINESS TRAVELS: Yos, including relocation

AVAILABILITY TO RELOCATE ABROAD: Yes, but only in Europe

Acquired skills and achieved objectives: L'attività di vendita e di gestione della cessa mi hanno permesso di acquisira un maggior senso di responsabilità generato anche dal rapporto di fiducia: con il dirigente del negozio e dalla collaborazione con il resto del personale. Inoltre, il contatto e la comunicazione con i clienti mi hanno permesso di acquisire una buona capacità nell'interfecciarmi con loro, altre che attimizzare le capacità di ordine e rispetto delle tempistiche.

Employed as: intern/trainee-fixed-length contract | Company sector: Marketing



ACADEMIC STUDIES



AVAILABILITY FOR BUSINESS TRAVELS: Yes, including relocation AVAILABILITY TO RELOCATE ABROAD: Yes, but only in Europe



ACADEMIC STUDIES

MASTER'S DEGREE 2017 - 2021 CERTIFIED TITLE



Politecnico di BARI

Dipartimento di Ingegneria Civile, Ambientale, del Territorio, Edile e di Chimica

INGEGNERIA PER L'AMBIENTE E IL TERRITORIO

specific field of the degree course; ambientale

LM-35 - 2nd level degree in Environmental engineering

Dissertation/thesis title: NUMERICAL MODELING OF ACQUATIC ECOSYSTEMS HYDRODYNAMICS NEAR PORTO CESAREO(LE) | Dissertation/thesis subject: MISURE E CONTROLLI AMBIENTALI |

Thesis supervisor:

Age at graduation: 27 | Official duration: 2 years

Final degree mark: 109/110 Graduation date: 09/02/2021

BACHELOR'S DEGREE 2012 - 2017 CERTIFIED TITLE



Università degli Studi delle BASILICATA (PZ)

Scuola di Ingegneria

INGEGNERIA CIVILE E AMBIENTALE

L-7 - 1st level degree in Civil and environmental engineering
Dissertation/thesis title: MATERIALI E TECNICHE COSTRUTTIVE
DELLE MURA VENEZIANE DI NICOSIA [CIPRO] | Dissertation/thesis
subject: MATERIALI E TECNOLOGIE PER L'AMBIENTE | Thasis

supervisor

The CV committee and destrict information of house by the better monocular Committee Absoluters. Fell or partial representation and definition in third parties are country field blue.

I havely suchorize the processing of the personal data committed in this CV in compliance with the European Regulation (CE) 2016/078.

Age at graduation; 24 | Official duration; 3 years

Final degree mark: 98/110 Graduation date: 20/07/2017

SCIENTIFIC CERTIFICATE

Licen di Dali Cyprus

School-leaving examination mark: 93/100

Kind of secondary school diploma: Secondary school diploma taken

alproad.

Kind of secondary school attended: Public school





OTHER POSTGRADUATE STUDIES

ADVANCED TRAINING COURSE

Corco della lingua italiana, storia dell'arte e di architettura

2011 - 2012

Centro Linguistico Italiano Dante Alighien (ROMA)

Corso finalizzato ad imparare la lingua italiana, la storia dell'arte e

dell'architettura,

Duration: 11 months





FOREIGN LANGUAGE SKILLS

English IGCSE, CAMBRIDGE, 2009



INFORMATION TECHNOLOGY SKILLS

APPLICATION SOFTWARE

GEOSLOPE (Foundation), MICROSOFT OFFICE (Advanced) | CAD

- Assisted Design: AutoCAD (Intermediate) | Geographic Information
 System (GIS): OGIS (Intermediate) | Numerical analysis: MIKE 2183

BY DHI (Advanced)

GRAPHICS AND MULTIMEDIA

Adobe Photoshop (Foundation)

ICT CERTIFICATES

GCE O LEVEL MATHS EDEXCEL, 2009

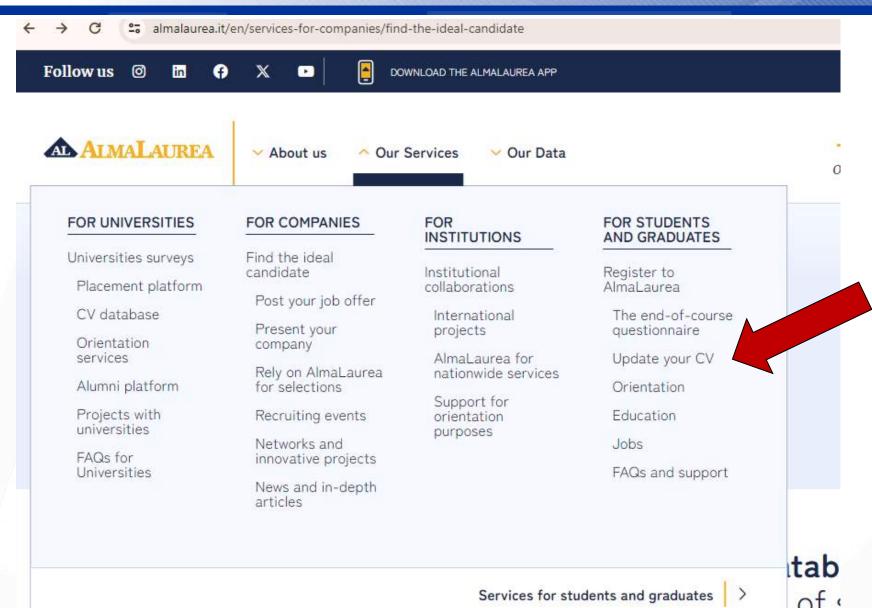


STUDIES AND EXPERIENCES ABROAD

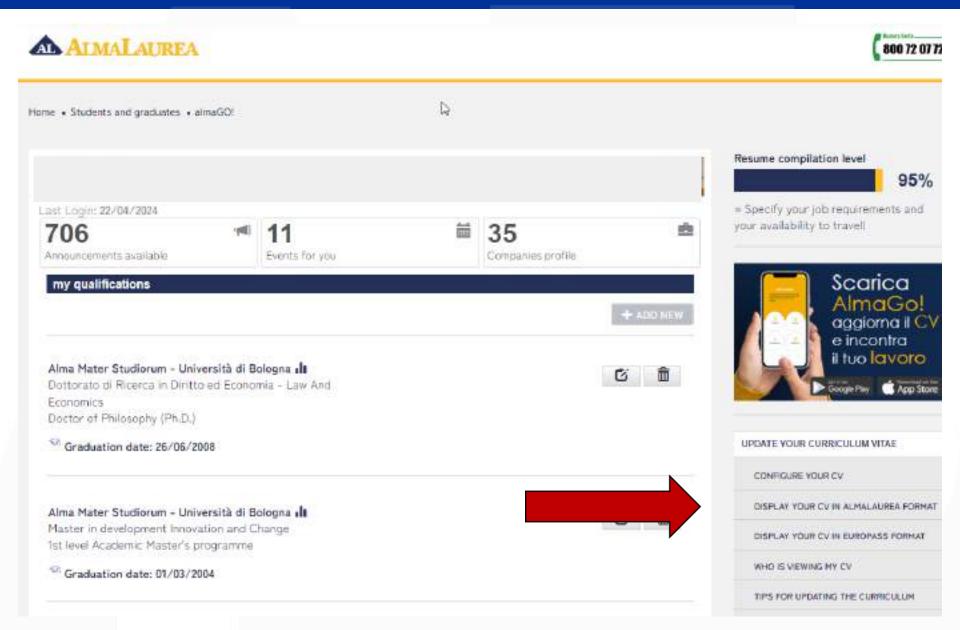
1TALY 2009 European Union program (PROGRAMMA COMENIUS)

Place: SAVONA (Italy) | Language: Italian | Duration: 1 (months)





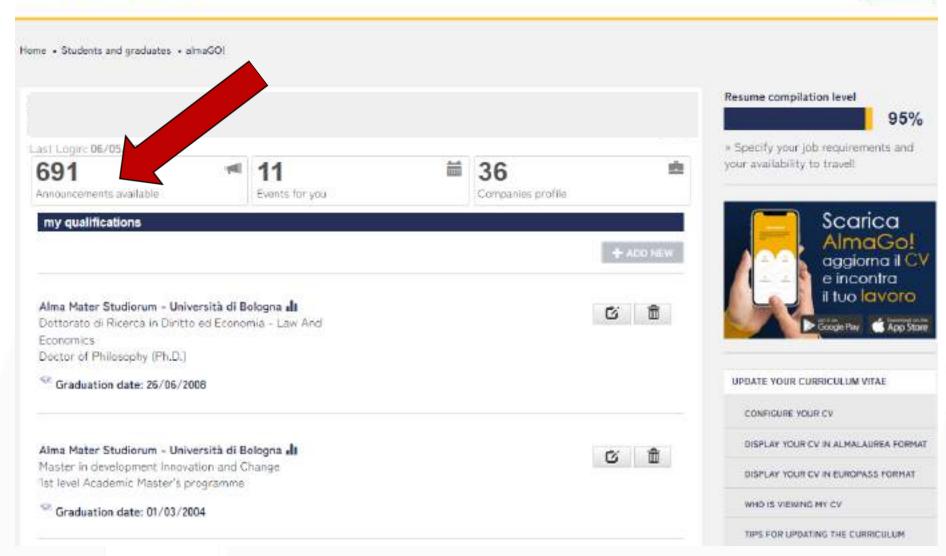








800 72 07 72





About the candidate

Technical Skills VBA, STATA, EXCEL, Econometrics

Foreign language skills The knowledge the following languages is required

Italian: mother tongue
 German: excellent (C2)
 English: excellent (C2)

Desiderable qualifications Graduate in economics or a related discipline

Degree Master

Subject area economico-statistico

Career Level Graduated with experience

Willingness to relocate Yes

Willingness to relocate abroad Not required

About the company

NERA Economic Consulting (http://www.nera.com/) is a global firm of experts dedicated to applying economic, finance, and quantitative principles to complex business and legal challenges. For half a century, NERA's economists have been creating strategies, studies, reports, expert testimony, and policy recommendations for government authorities and the world's leading law firms and corporations. We bring academic rigor, objectivity, and real world industry experience to bear on issues arising from competition, regulation, public policy, strategy, finance, and litigation.

NERA's clients value our ability to apply and communicate state-of-the-art approaches clearly and convincingly, our commitment to delivering unbiased findings, and our reputation for quality and independence. Our clients rely on the integrity and skills of our unparalleled team of economists, backed by the resources and reliability of one of the world's largest economic consultancies. NERA serves clients from more than 25 offices across North America, Europe, and Asia Pacific.

Reference code R_257896

 Publication date
 3/1/2024

 Expiration date
 5/3/2024

If you are interested in this job offer:

Apply for





Graduates Profile:

https://www.almalaurea.it/en/our-data/almalaurea-surveys/graduates-profile

Graduate employment status:

https://www.almalaurea.it/en/our-data/almalaurea-surveys/graduates-employment-status

Infographics:

https://www.almalaurea.it/en/orientation/degree-programmes-and-universities https://www2.almalaurea.it/cgi-asp/classi/?lang=en

CV search:

https://aziende.almalaurea.it/en/aziende/ricerca/





For any further information, please contact: international@almalaurea.it
www.almalaurea.it/en