

# Achievements in the field of dual higher education in Poland

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# Practical education in higher education – legal aspects:

- dual education
- implementation doctorates
- financial support throu for development of dual programs The National Centre for Research and Development (ex. 123 000 000,00 PLN for development of dual programmes)



# Profiles of study programmes:

- academic profile
- practical profile



# Profiles of study programs – practica profile:

- more than half of the study program specified in ECTS credits includes practical activities shaping practical skills and competencies
- lack of minimum staffing regarding scientists
- half of the courses provided by a full time staff
- 6 months of obligatory internships at bachelor (or 5 years masters) level and 3 months internships on master level





# Practical character of each study program entails:

- a concept built on the needs of various stakeholder groups,
- a combination of theoretical and specialized content that enables graduates to be equipped with practical skills that match the expectations of the labor market,
- practical forms of education: workshops, laboratories, study visits, projects, meetings with practitioners,
- a concept built on the needs of various stakeholder groups,
- an offer of additional certified trainings for improving interpersonal as well as professional skills
- teachers – practitioners



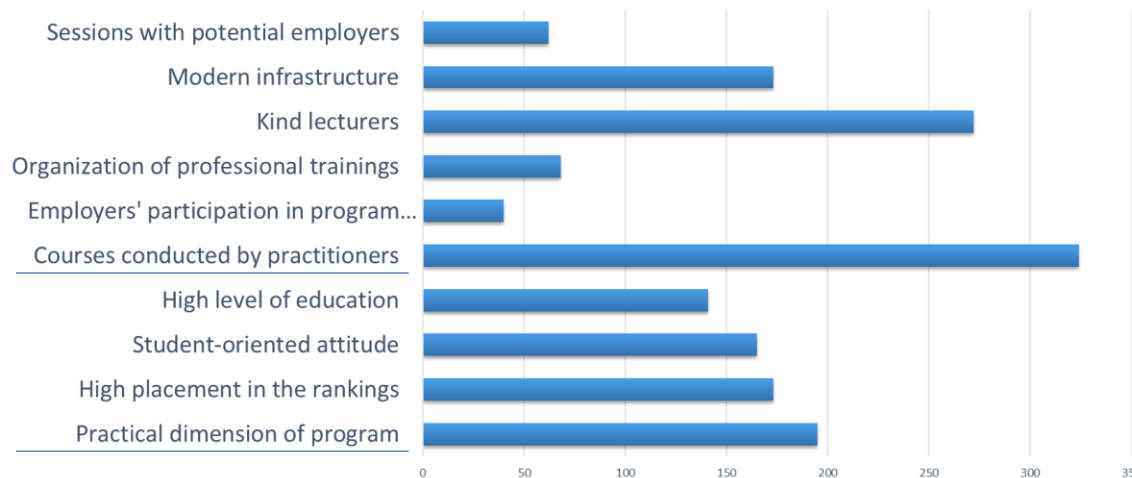
# Dual education advantages:

- Qualification of employees according to company requirements
- Reduction in the cost of acquiring new employees
- Direct influence on the training program
- Increased loyalty and stronger identification of employees with the company
- Prestige and recognition in the local environment



# Dual education advantages:

The main advantages of the WSB University in the opinion of students (n=549)







# Dual education

## The Constitution for Science:

Dual education as a type of alternate education, in which the employer participates, in addition to the university





# Academia – Business, good practices from WSB University

- **The Council of Experts**
- **Presence of University representatives in the most important economic organizations in the country**





# Council of Experts





# WSB University dual programs:

- **Computer Science program**
- **Logistic programs**





## Computer Science program:

- Specialty: Mobile Apps with computer graphic
- Program designed with our partners, focused on practical skills (subjects, e.g.: graphic design in Unity3D, animation, graphic presentation in the Internet, mobile devices architecture etc.)
- Various offer of elective subjects, e.g.: augmented reality, IoT, machine learning, cloud computing – to develop technical skills
- Soft skills training
- Certified course (according to students preferences)





## Logistics program:

- Specialty: Logistics in business
- Program designed with our partners, focused on practical skills (subjects, e.g.: global Logistics, international Logistics centers, risk management in supply chain, e-commerce etc.)
- Various offer of elective subjects, e.g.: total quality management, advanced computer systems in Logistics, innovations in Logistics, Logistics 4.0 – to develop business knowledge
- Soft skills training
- Certified course (according to students preferences)



## Logistics programme results:

- 2 of 11 students have already promised a new contract after ending an internship
- 3 of 11 students write diploma thesis about processes in Raben
- 2 students prepared a 3 new projects, one was implemented by Raben
- 1 student improve process in Department of Customer Service.
- 2 of 11 student decided to change their professional targeting
- 9 of 11 students say that experience gained during internship improve their chances on working market





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## Computer programme results:

- 5 of 7 students have already promised a new contract after ending an internship,
- One student is employed by American Company – LBRY Inc.
- Students worked with application implemented on market: Resto, Icon24, Epeer, Odysee
- 2 students take an internship in company which runs project: AntyFakeNews application







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**FlexSim**  
problem solved.

**Process  
Engineer**







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# JABIL





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