



VILNIUS GEDIMINAS  
TECHNICAL UNIVERSITY

# The integrated, innovative training for master craftsman and electrical engineer

**Assoc. Prof. Audrius Grainys**



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

BACHELOR  
& MEISTER 

# Higher education – current situation



0  
1

## Practice

Time spent in companies

≈ 7%

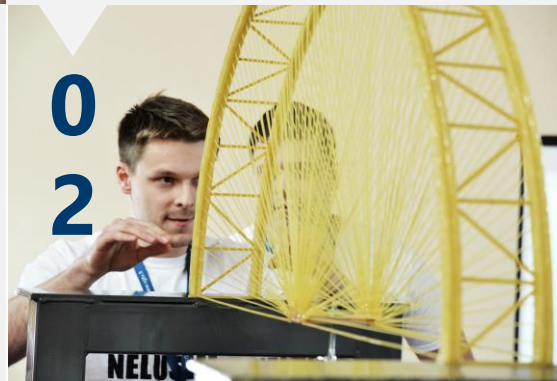


0  
3

## Theory

Lectures and laboratory works

≈ 93%



0  
2

## Work

Time for work-based learning

?%

# Education is not just a theory



0  
1

## Practice

Time spent in companies

≈ 7%



0  
3

## Theory

Lectures and laboratory works

≈ 93%



0  
2

## Work

Time for work-based learning

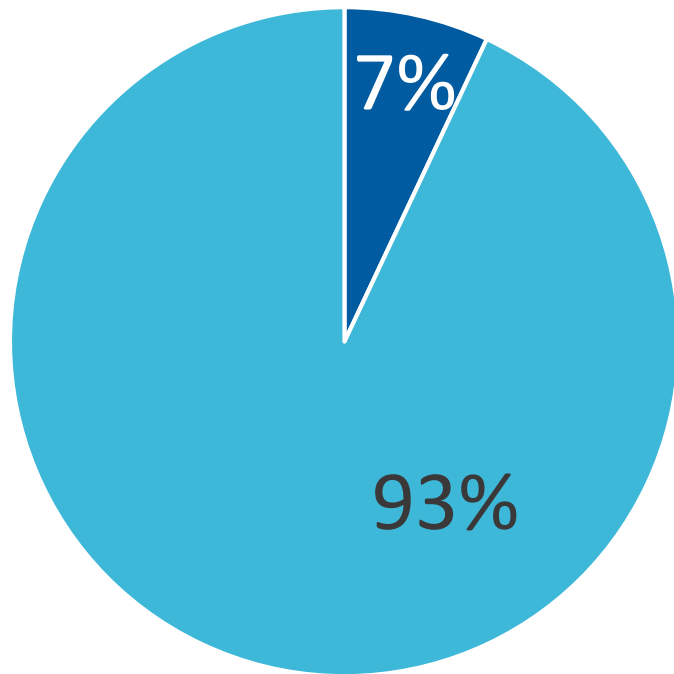
from 60% to 70%

# Designing and implementing a dual Bachelor's degree study course with integral attainment of a Bachelor's and Master's degree (Bachelor & Meister)

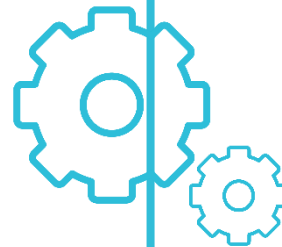
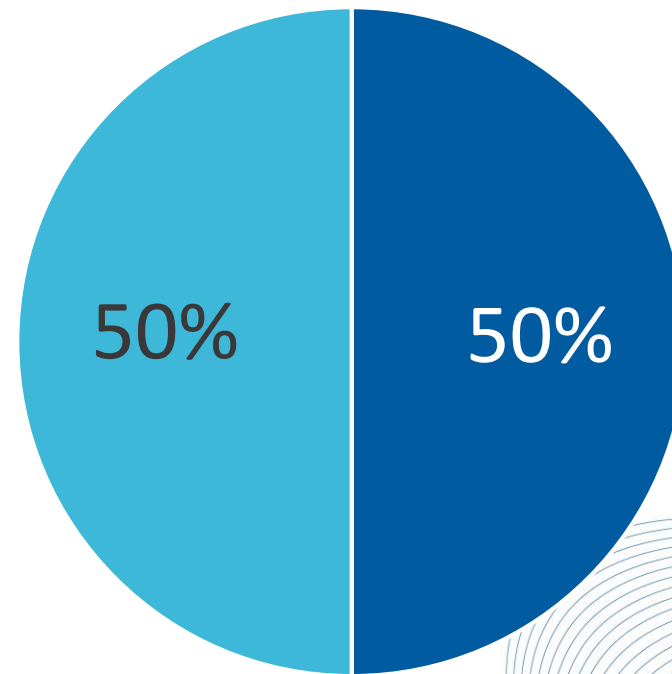


# ELECTRICAL ENGINEERING BACHELOR DEGREE VS BACHELOR'S AND MASTER'S

**Bachelor**



**Bachelor and Master**



 Time spent in university

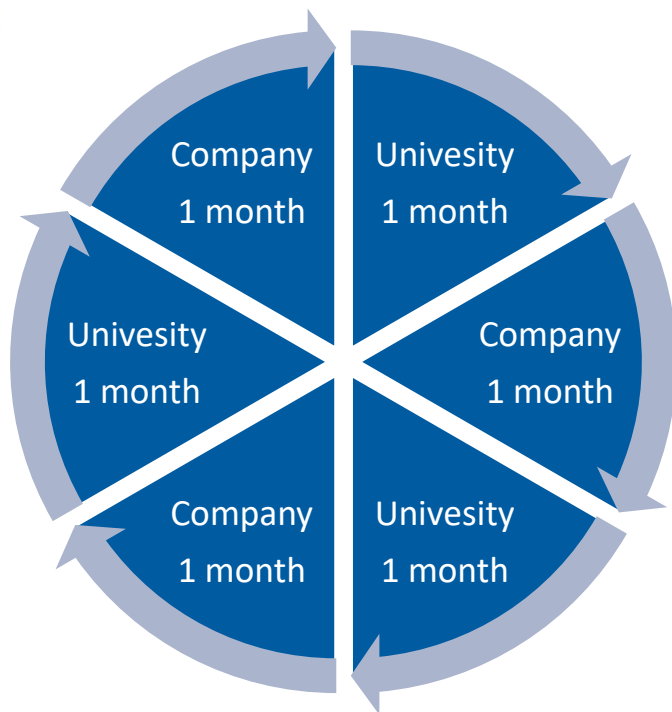
 Time spent in companies

# Structure of the study program

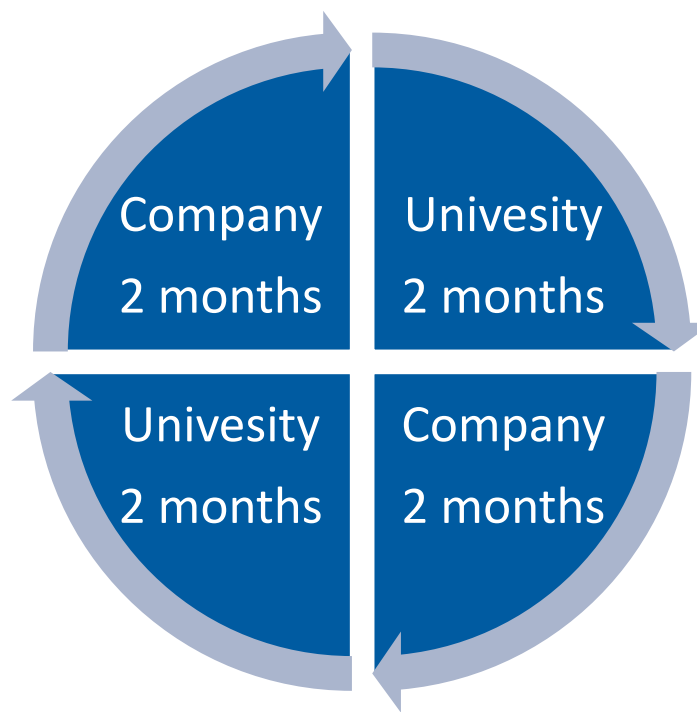
1. In each year of study, the student takes one month to attend a higher school theoretical courses (specialty, management, economics, law, informatics, pedagogy, etc.), in the next month – he will spend in the company by carrying out practices.
2. In each year of study, a student half of the semester (September, October, and a half of November) will spend at a higher school by attending relevant theoretical courses and the other half of the semester (half of November, December and January) - in the company by carrying out practices. In the spring semester, respectively, at the higher school - in February, March and half in April, the next half of the spring semester – April, May and June - in the company.
3. In each year of study, the student passes the autumn semester in higher school while listening to the theoretical courses of the corresponding specialty at the undergraduate level, and spring semester in the company by carrying out practices.

# Structure of the study program

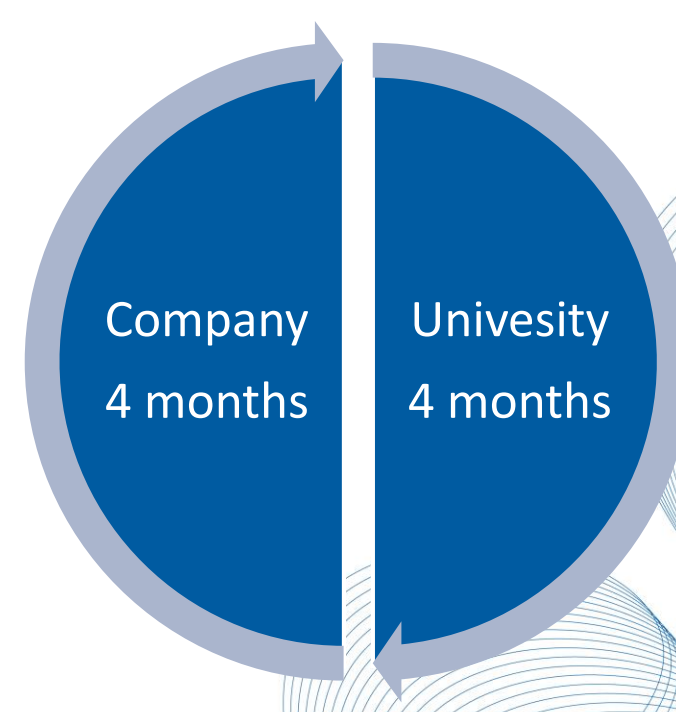
## First option



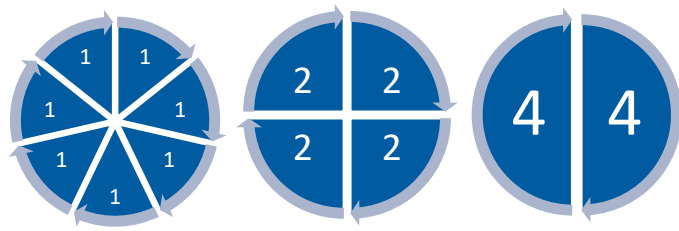
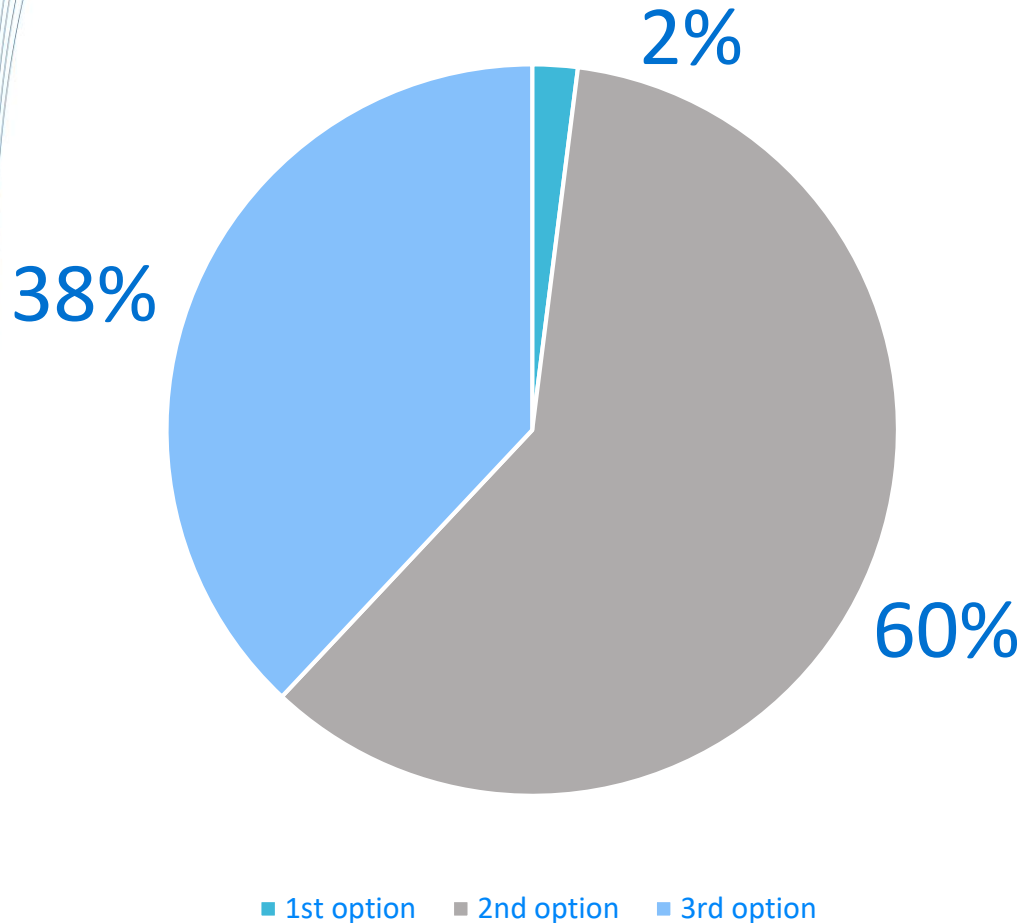
## Second option



## Third option



# Structure of the study program

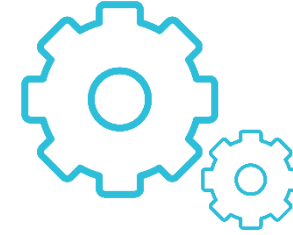
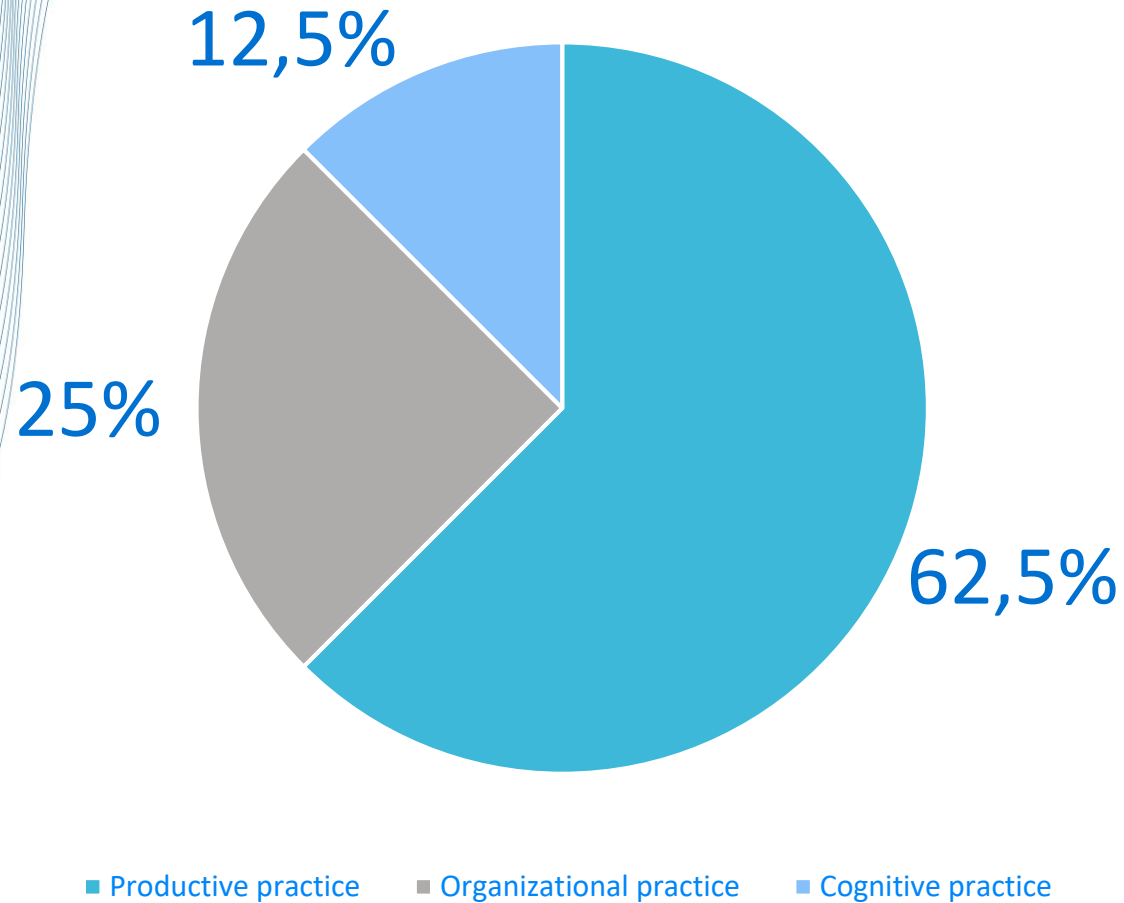


**60%**  
of the companies  
chose the second option of the study  
program

**the third option was  
chosen for  
implementation**



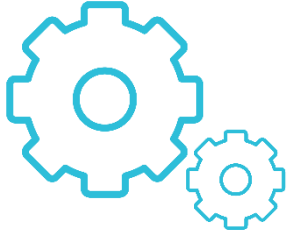
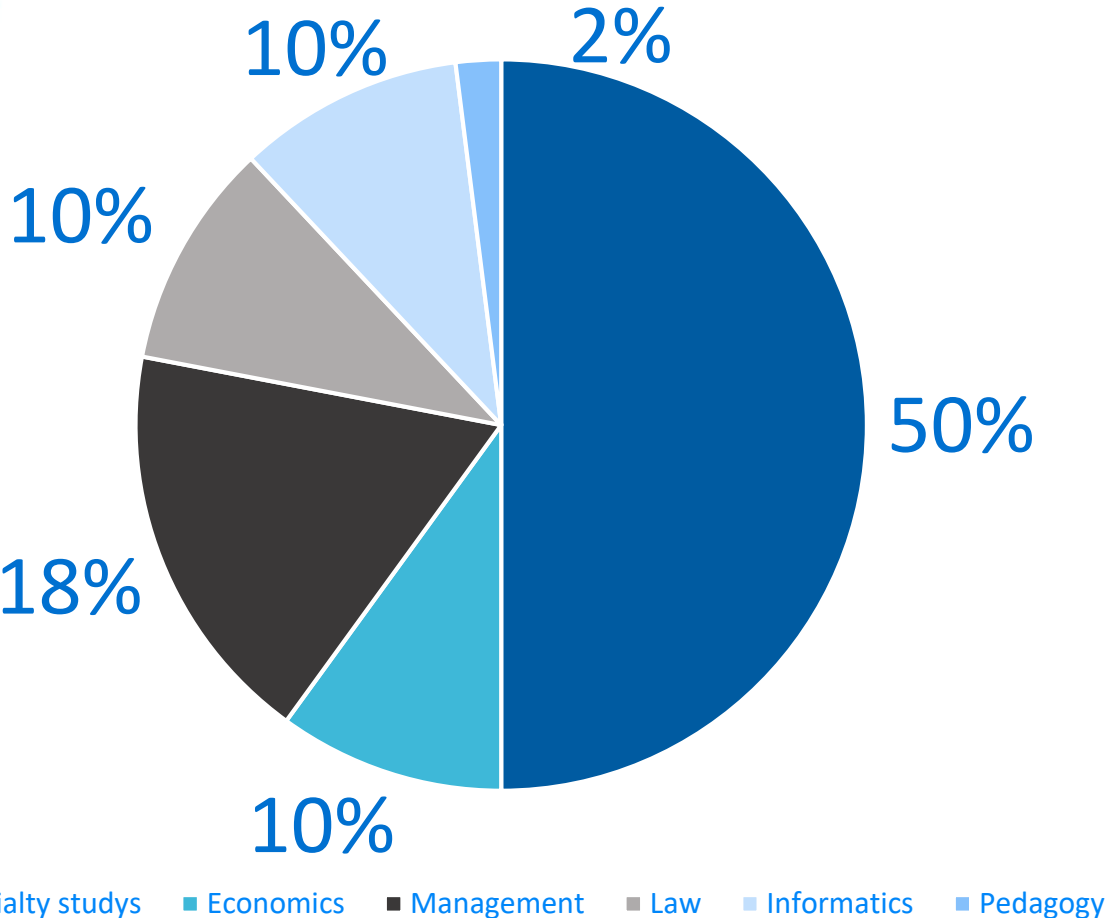
# Structure of the study program



**62,5%**  
of the time in companies  
students are taking production  
practice

**practice topics are  
focused on the previous  
semester study subjects**

# Structure of the study program



**38%**  
of non specialty study subjects

**Companies are looking for interdisciplinary staff.**



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# 100% of students would like more practice in their studies



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# Life time learning



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