



ЭЛЕКТРОНИКА



МОБИЛЬНАЯ  
РОБОТОТЕХНИКА



ПРОТОТИПИРОВАНИЕ

# THE 3 CLASSROOMS PROGRAM

A ready-made solution for the modernization of  
educational institutions

Electronics

Autonomous mobile robotics

Prototyping

*Based on international standards for the training of specialists*

# PROGRAM FORMAT AND SCOPE

A single standard for all three areas of training

# 648

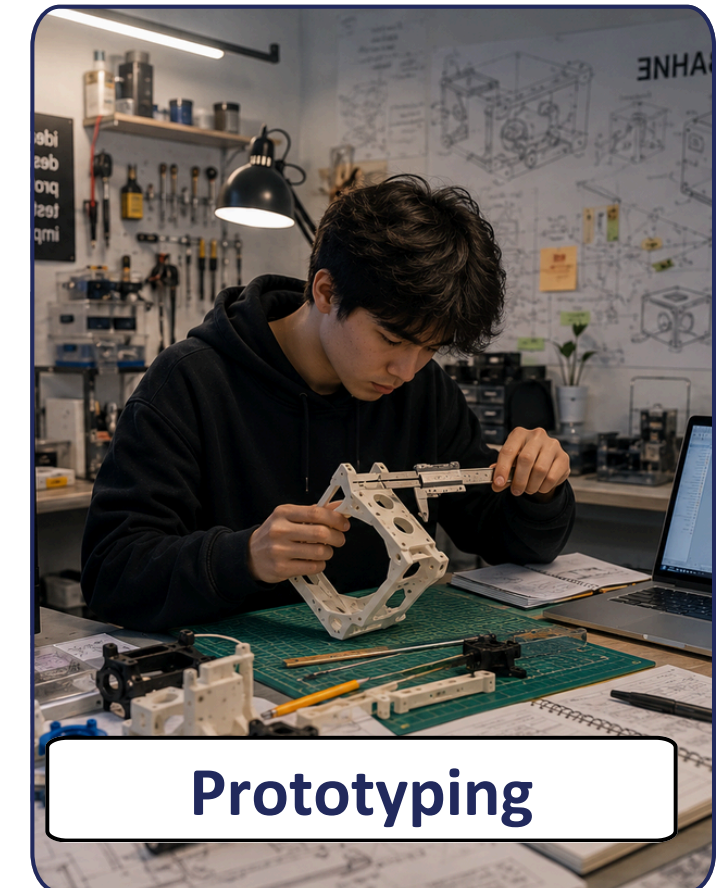
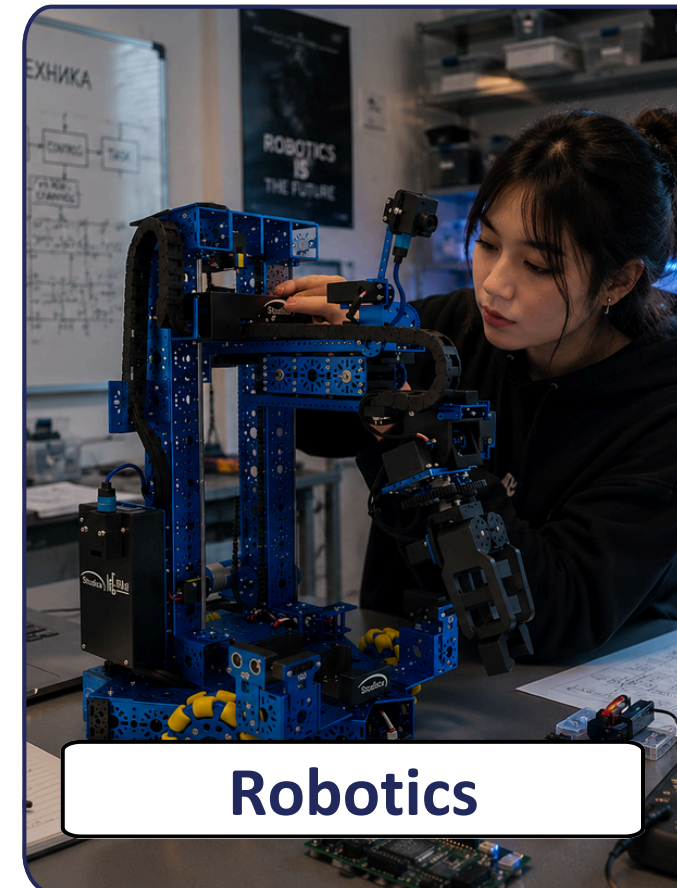
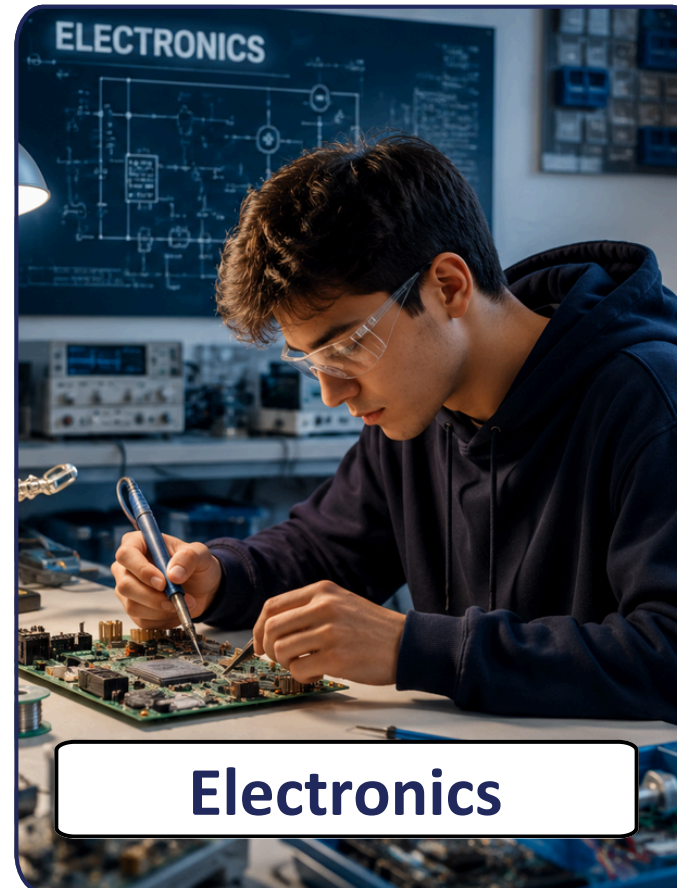
academic hours

216 academic hours  
for each field of  
study

## Training format

30% THEORY

70% PRACTICE



# WHY THIS PARTICULAR PROGRAM



## Based on WorldSkills standards

*Developed using:*

- international requirements of WorldSkills
- competitive modules
- modern technologies
- practical training
- engineering projects



## Easy to integrate

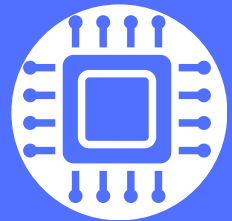
There is no need to change the educational program. You can implement:

- as a module
- as a discipline of choice
- as an elective
- as an additional education
- as a professional development program

*It achieves its goals without changing the current state educational standard.*

# PROGRAM COMPOSITION: THREE DIRECTIONS

The content of each training module



Direction 1

## ELECTRONICS

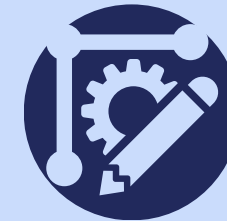
- Analog electronics
- Digital Electronics
- Programming microcontrollers
- Soldering and installation work



Direction 2

## AUTONOMOUS MOBILE ROBOTICS

- Mobile robots
- Navigation
- Programming
- Machine vision
- Autonomous movement



Direction 3

## PROTOTYPING

- CAD
- 3D modeling
- 3D printing
- Development and production of prototypes
- Work on CNC Machines

# INTERNATIONAL ACADEMIC MOBILITY

After the program is implemented, the educational organization gets the opportunity to participate in the international program "Learn & Travel"



## STUDY ABROAD

Studying students abroad



## OFFSETTING LOANS

Offsetting academic credits



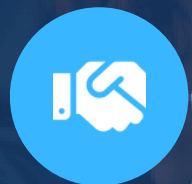
## INTERNATIONAL CERTIFICATES

Official confirmation of qualifications



## ACADEMIC MOBILITY

Free movement between partner universities



## JOINT PROJECTS

Joint international projects



## TEACHER EXCHANGE

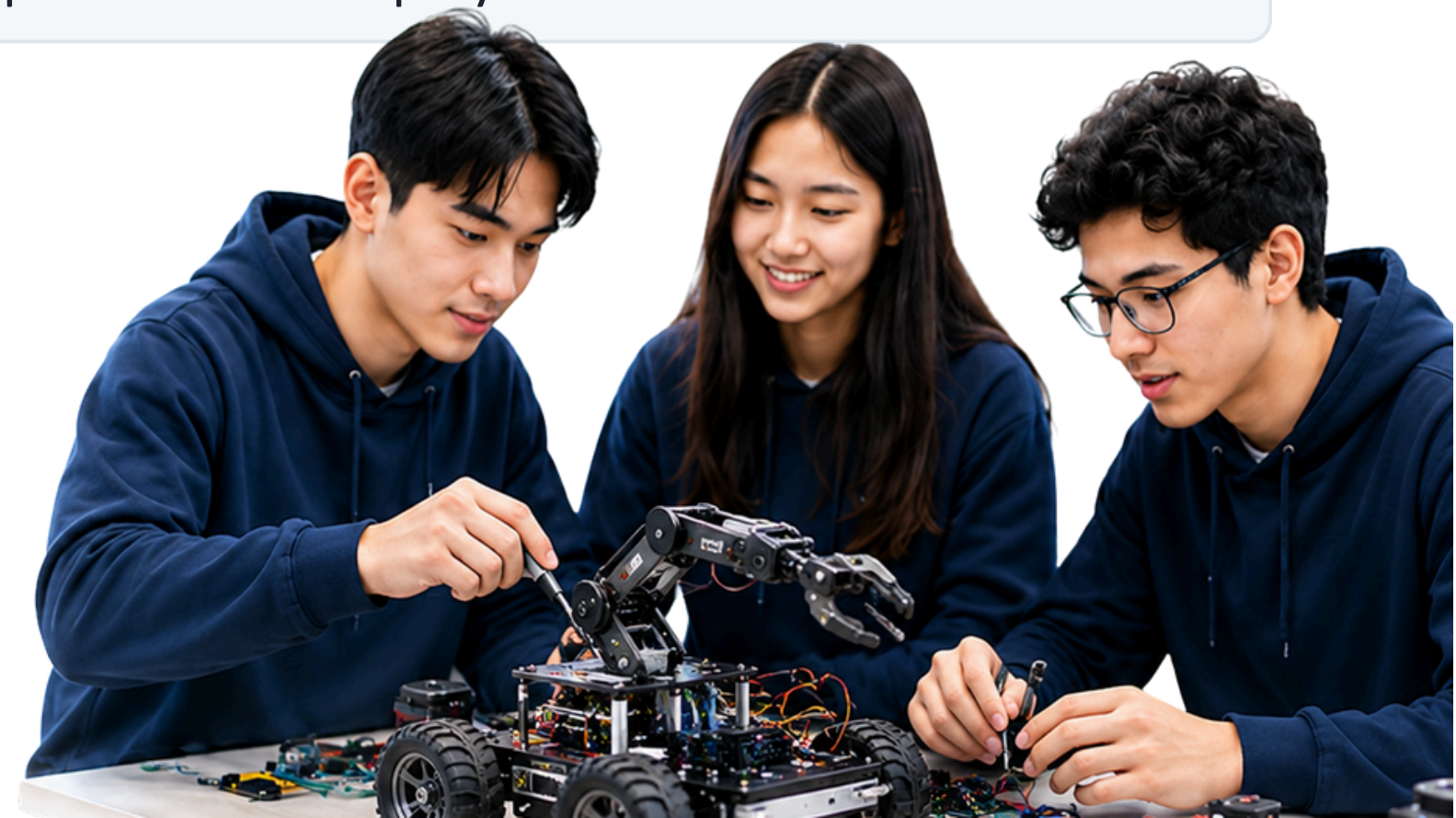
Exchange of teaching staff

# IMPLEMENTATION RESULTS

After implementation, the educational organization receives:

- ✓ Three modern educational programs
- ✓ Improving the quality of specialist training
- ✓ Readiness for international projects
- ✓ The opportunity to participate in the Learn & Travel program

- ✓ Development of academic mobility
- ✓ International cooperation
- ✓ Increasing the attractiveness of the college for applicants and employers



# OUR OFFER

We do not just offer a training program, we offer a ready—made international training model that unites:

- Modern educational technologies
- WorldSkills Standards
- Engineering projects
- The Learn & Travel Program
- Practice-oriented learning
- International academic mobility
- Network of foreign partners

*A ready—made international training model for your college today*

# CONTACT US

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**Program Video Materials**

[https://drive.google.com/drive/folders/1ICINipoCMZpJKprv6UYesDtHIVSyKyF2?usp=share\\_link](https://drive.google.com/drive/folders/1ICINipoCMZpJKprv6UYesDtHIVSyKyF2?usp=share_link)

**Our Instagram**

[https://www.instagram.com/dosti\\_education/](https://www.instagram.com/dosti_education/)

**Our Website**

<https://www.dosti.kz>

**DOSTI INNOVATION CENTER**

