Erasmus+ KA2 Capacity Building project
Modernization of Mechatronics and Robotics for Bachelor degree in Uzbekistan through Innovative Ideas and Digital Technology (MechaUz)

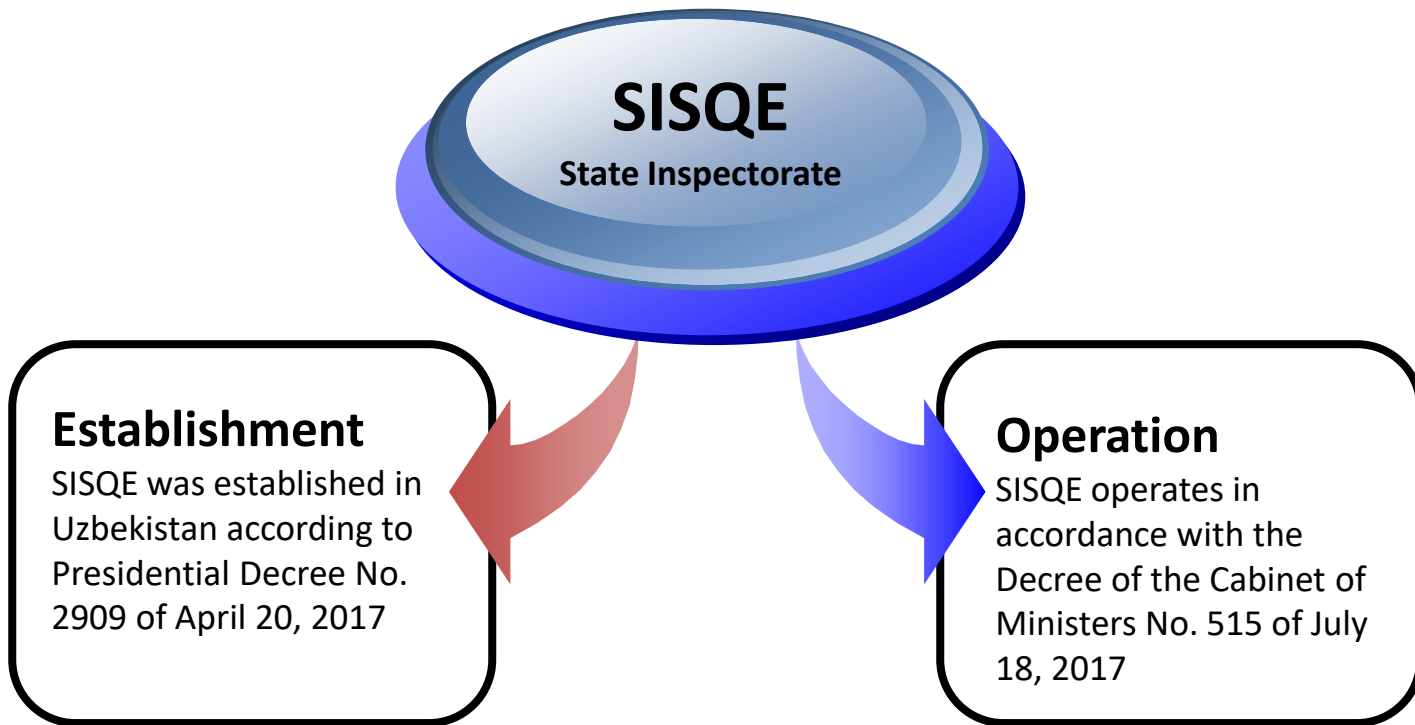# Accreditation & Certification Progress
(roadmap and time plan)
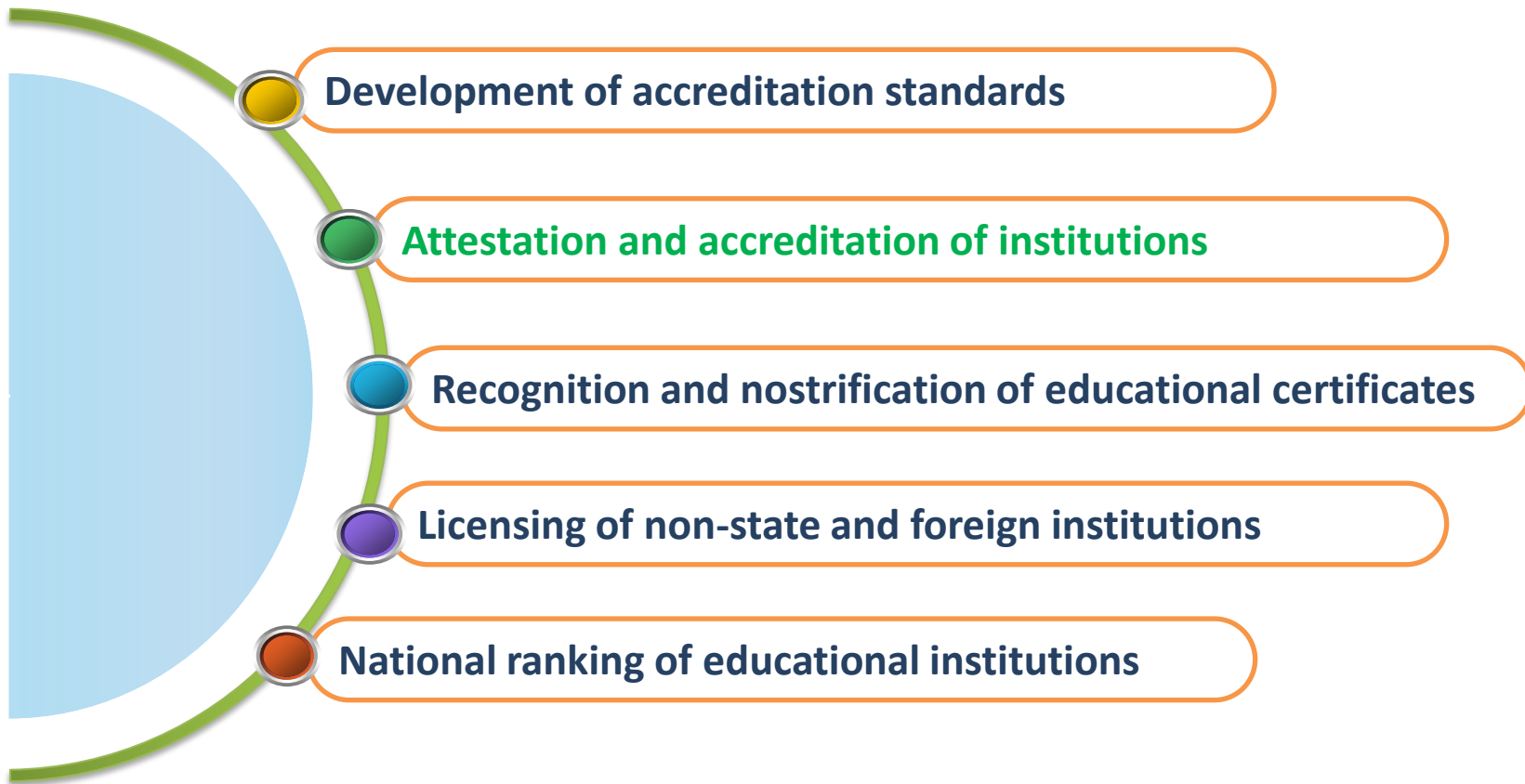
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18-22 July 2022

State body of accreditation

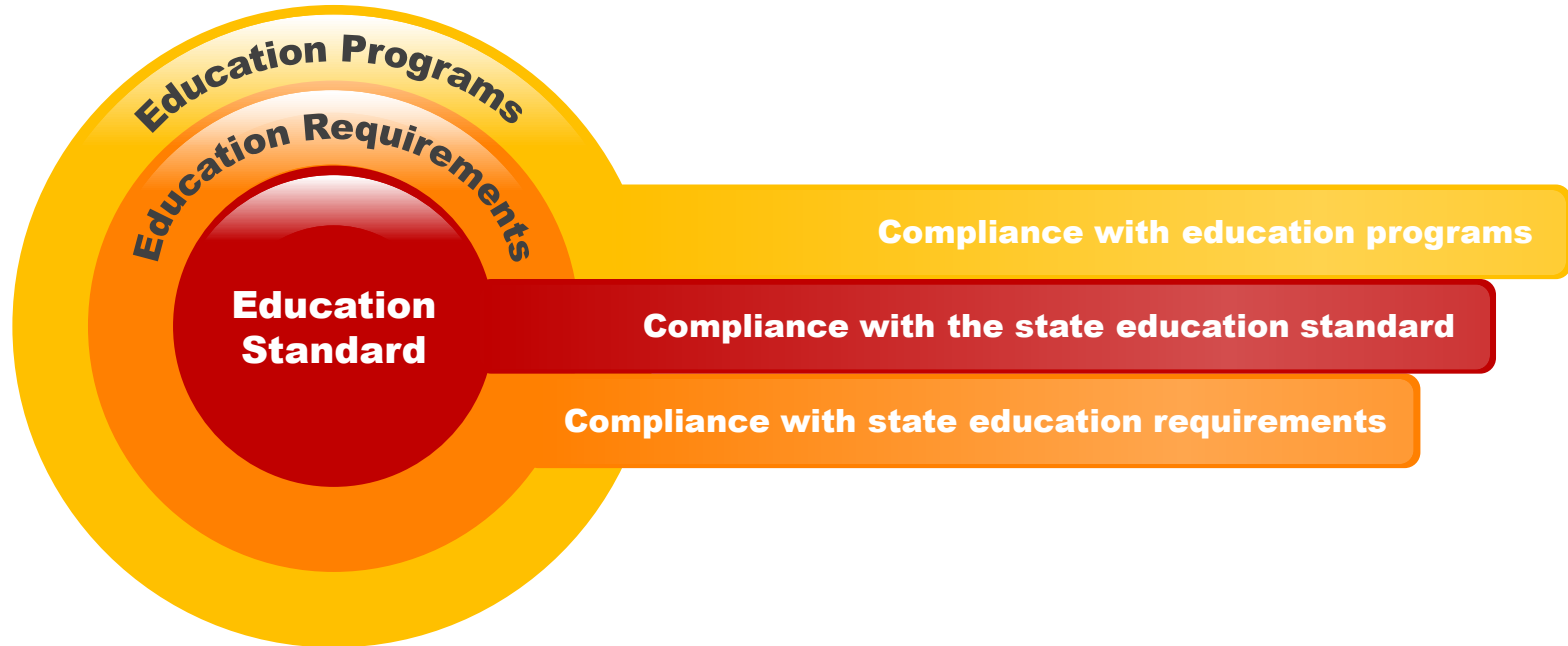**State Inspectorate for Supervision of Quality in Education under the Cabinet of Ministers of the Republic of Uzbekistan**

SISQE
State Inspectorate

Establishment
SISQE was established in Uzbekistan according to Presidential Decree No. 2909 of April 20, 2017

Operation
SISQE operates in accordance with the Decree of the Cabinet of Ministers No. 515 of July 18, 2017

Role and Competencies of SISQE

- Development of accreditation standards
- Attestation and accreditation of institutions
- Recognition and nostrification of educational certificates
- Licensing of non-state and foreign institutions
- National ranking of educational institutions
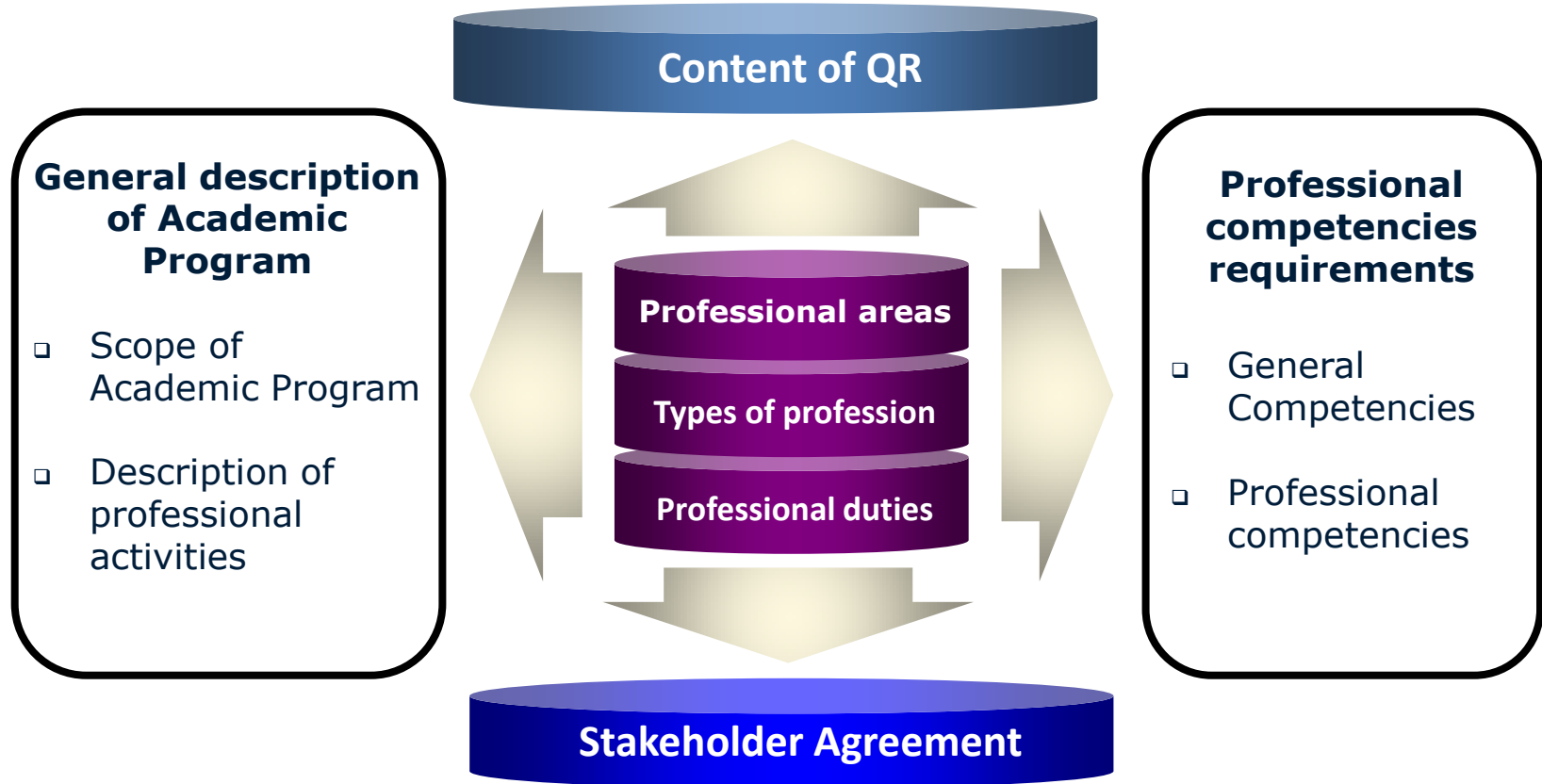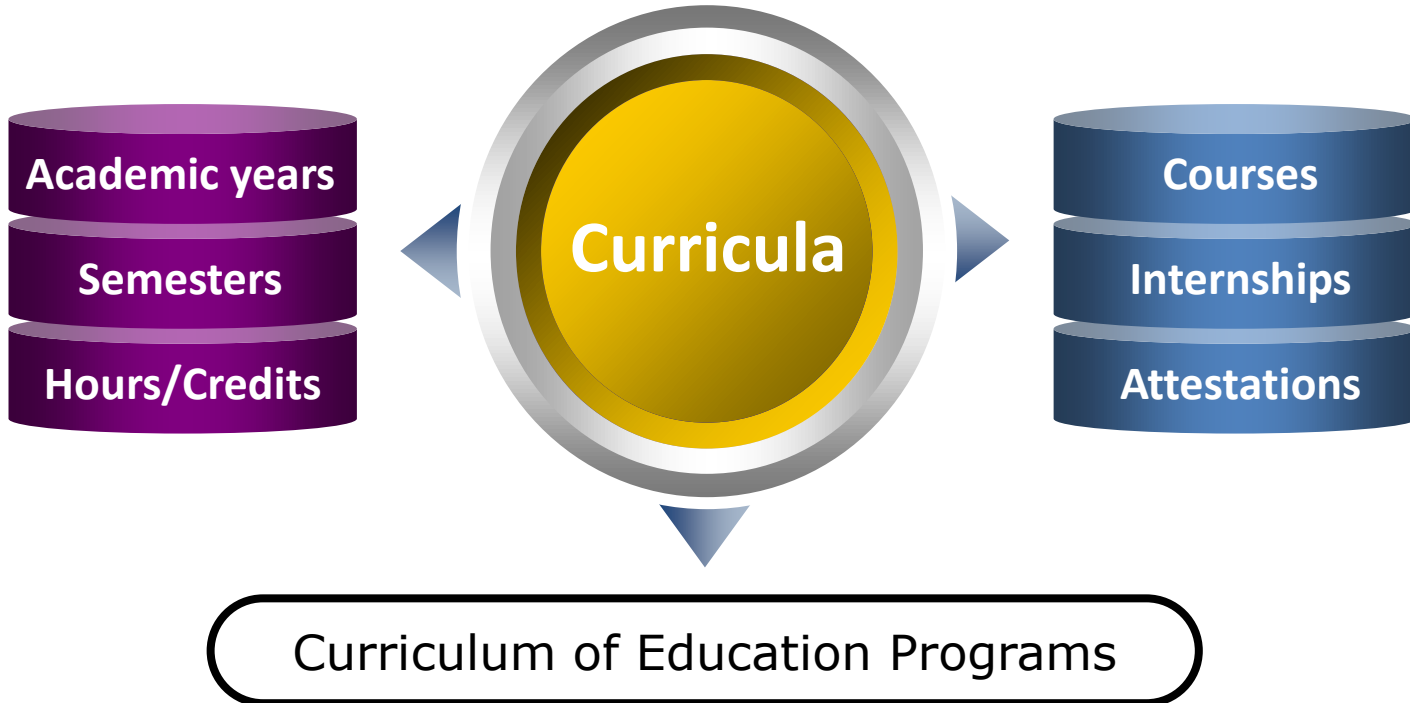
National Education Standard

- **State educational standard of higher education. Basic rules**
- Approved by order No. 35-2021 of the Minister of Higher and Secondary Special Education of the Republic of Uzbekistan from October 19, 2021
- Content:
  - 1. General regulations
  - 2. Recommended regulatory documents
  - 3. Terms and definitions
  - 4. General requirements for curriculum and study program content
  - 5. Basic rules of qualification requirements
  - 6. Volume and distribution of the academic load
  - 7. Quality control of personnel training
  - 8. Procedure for development of qualification requirements
  - 9. Procedure for development of curriculum and syllabus

Qualification Requirements

Content of QR

General description of Academic Program

- Scope of Academic Program

- Description of professional activities

Professional areas

Types of profession

Professional duties

Professional competencies requirements

- General Competencies

- Professional competencies

Stakeholder Agreement

Curriculum Requirements

Course Syllabus Requirements

- Course content, purpose and main tasks
- Basic theoretical part. Lecture sessions
- Practical part. Practical training
- Self-study materials and tasks
- Professional competencies
- Evaluation criteria and academic credits
- Literatures and resources

Accreditation in Education Act

- **Article 58**

- Every educational institution undergoes attestation and state accreditation.

- Certification and state accreditation of educational organizations and academic programs will be carried out for a period of **five years**.

- Newly created educational institutions by decision of the President or the Cabinet of Ministers are considered accredited for **five years**.

- Non-state educational institutions are considered accredited for **five years** after licensing.

Regulation on accreditation

- **"Regulation on the procedure for certification and state accreditation of public and non-state educational institutions".** Approved by the decree of the Cabinet of Ministers No. 470 dated June 7, 2019

- _Accreditation of educational institutions is carried out based on the requirements of this regulation_

- Article 16.

- _Educational institutions or **Academic programs** are certified and accredited **once every 5 years**_

Accreditation procedure

1-stage (Preparation and application submission)

Application submission	Educational institutions	1st October of last year

2-stage (Development of the certification schedule)

Timeline and documents	State Inspectorate	2 months before ext. eval.

3-stage (Evaluation by institution personal)

Internal evaluation	Educational institutions	1 month before ext. eval.

4-stage (Evaluation by experts groups)

External evaluation	Experts of Inspectorate	During 2 weeks

5-stage (Final results and Decision making)

Certification or Rejection	State Inspectorate	1 month after ext. eval.

Evaluation criteria
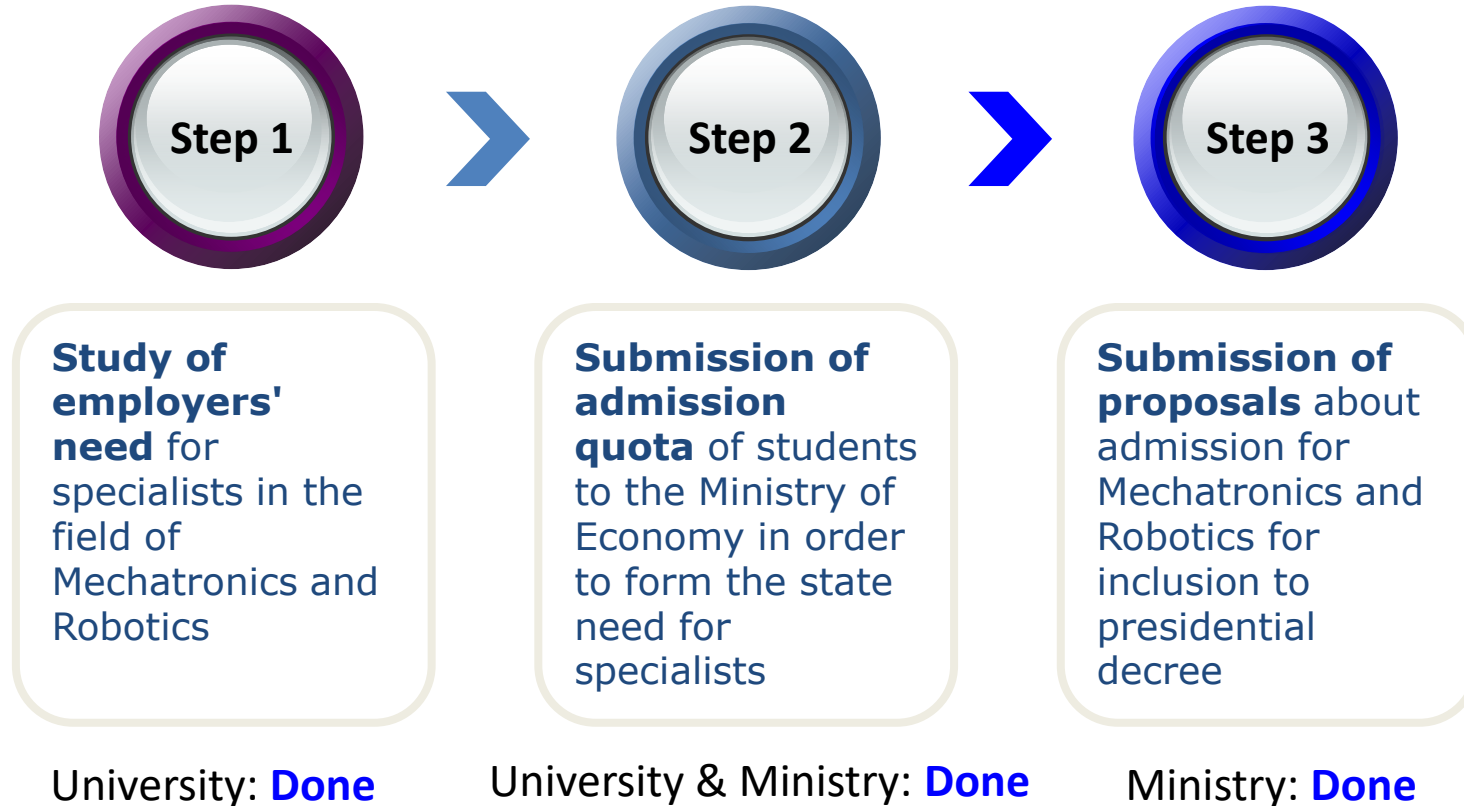
For Higher education institutions:

- Efficiency of organizational and management activities;
- Introduction of state educational standards, curriculums and study programs into the educational process;
- Students' mastery level of study programs and courses (knowledge);
- Scientific-pedagogical potential of teachers and the compatibility of their specialties;
- Level of provision of students with textbooks (electronic textbooks) and study guides
- Required training space, teaching inventors and equipment's, labs and labs equipment's
- Application of modern information and innovative technologies in the organization of electronic education;

Evaluation criteria

For Higher education institutions:

- Integration of education with industry and science;
- Scientific and research activities;
- Spiritual-educational activities;
- Employment or further education of graduates;
- organization of the process of admission of applicants;
- Quality of graduation and master's theses, the results of the final state certification;
- Employers' satisfaction with the knowledge, qualifications and skills of graduates

Roadmap of accreditation

| Step 1 | Step 2 | Step 3 |

Step 1 ❯ **Step 2** ❯ **Step 3**

Study of employers' need for specialists in the field of Mechatronics and Robotics

Submission of admission quota of students to the Ministry of Economy in order to form the state need for specialists

Submission of proposals about admission for Mechatronics and Robotics for inclusion to presidential decree

University: **Done**

University & Ministry: **Done**

Ministry: **Done**

Roadmap of accreditation

Step 4

Step 5

Step 6

Development and approval of **qualification requirements** for academic program M&R
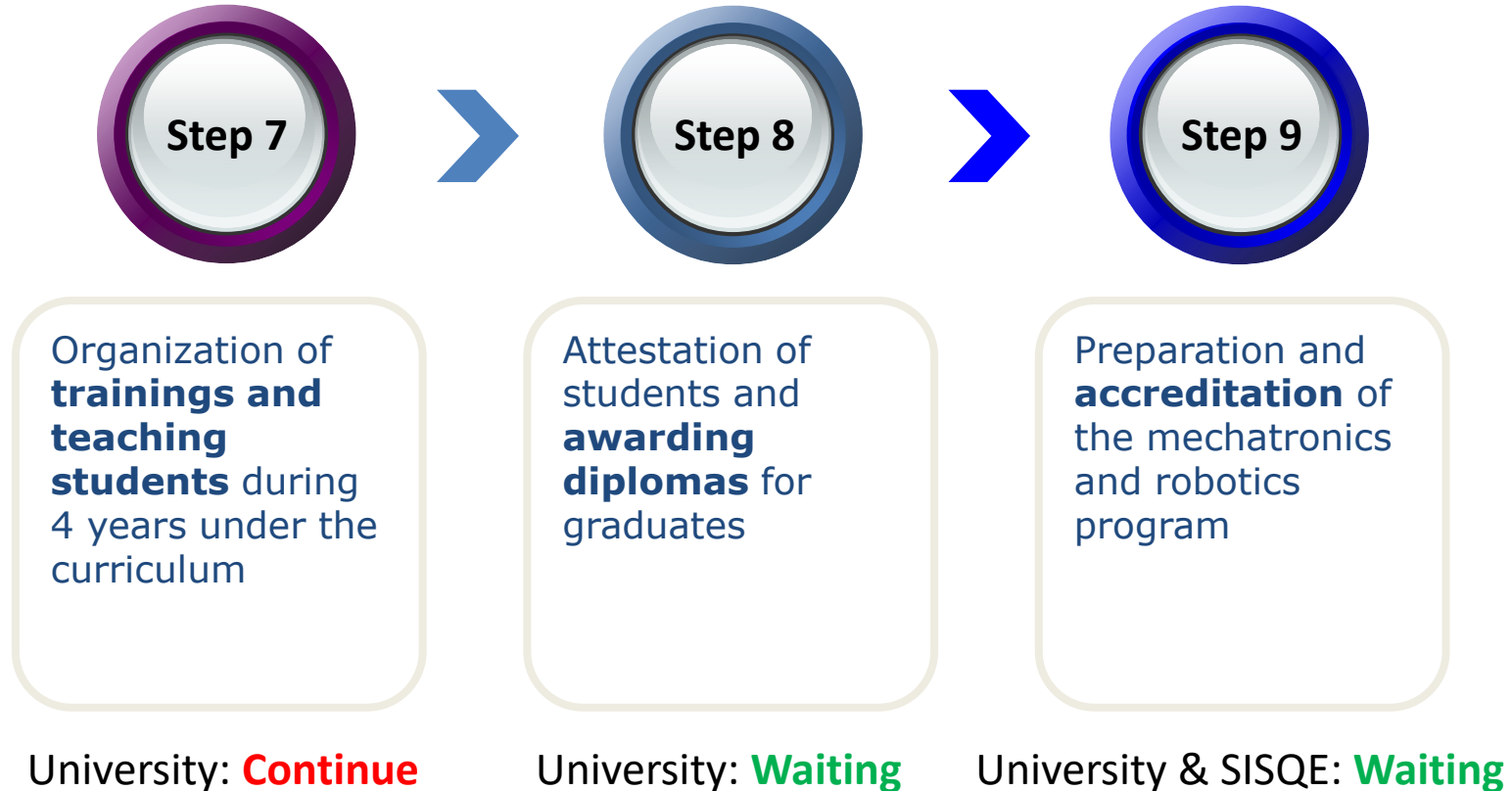
Development and approval of **curriculum** of the Mechatronics and Robotics program

Development and approval of **syllabus of courses**, development of **teaching materials**

University & Stakeholders: **Done**

University: **Done**

University: **Continue**

Roadmap of accreditation

Step 7

Step 8

Step 9

Organization of **trainings and teaching students** during 4 years under the curriculum

Attestation of students and **awarding diplomas** for graduates

Preparation and **accreditation** of the mechatronics and robotics program

University: **Continue**

University: **Waiting**

University & SISQE: **Waiting**

Student admission for M&R

2021/2022 (Total - 200)

- TSTU – 50 (10/40)
- AndMI – 50 (15/35)
- KEEI – 25 (10/15)
- FPI – 25 (5/20)
- TUIT – 50 (20/30)
- TTPU – 0

2022/2023 (Total - 250)

- TSTU – 75 (10/65)
- AndMI – 75 (15/60)
- KEEI – 25 (10/15)
- FPI – 25 (5/20)
- TUIT – 50 (20/30)
- TTPU – 0

Thank you for attention!!!