



Government Policies Related to Engineering Education and Accreditation

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Commission on Higher Education Standards (CHES)

Historical Background

- 1 Transition from the Office of the Higher Education Commission (OHEC), Ministry of Education
- 2 Organizational Restructuring under the Ministry Reform Act, B.E. 2562 (2019)
- 3 Transfer of Responsibilities to the Ministry of Higher Education, Science, Research and Innovation (MHESI) and Delegation to the Office of the Permanent Secretary (May 2, 2019)

Timeline[®]



Legal Duties and Powers

- The Ministry of Higher Education, Science, Research and Innovation Administration Act, B.E. 2562 (2019), Section 17 (6)(7)(8)(9)(12) and Section 26.
- The Higher Education Act B.E. 2562 (2019), Sections 53–60, Sections 62–68, and Section 71
- Including various announcements with the main objective of setting higher education standards and ensuring the quality of education, both state higher education institutions under the Ministry and private higher education institutions.



The Higher Education Act B.E. 2562 (2019)

Section 53

The Higher Education Standards Committee shall supervise higher education institutions to provide education in accordance with higher education standards, **including promoting and supporting higher education institutions to be able to raise the quality of education to be higher than the specified higher education standards.**

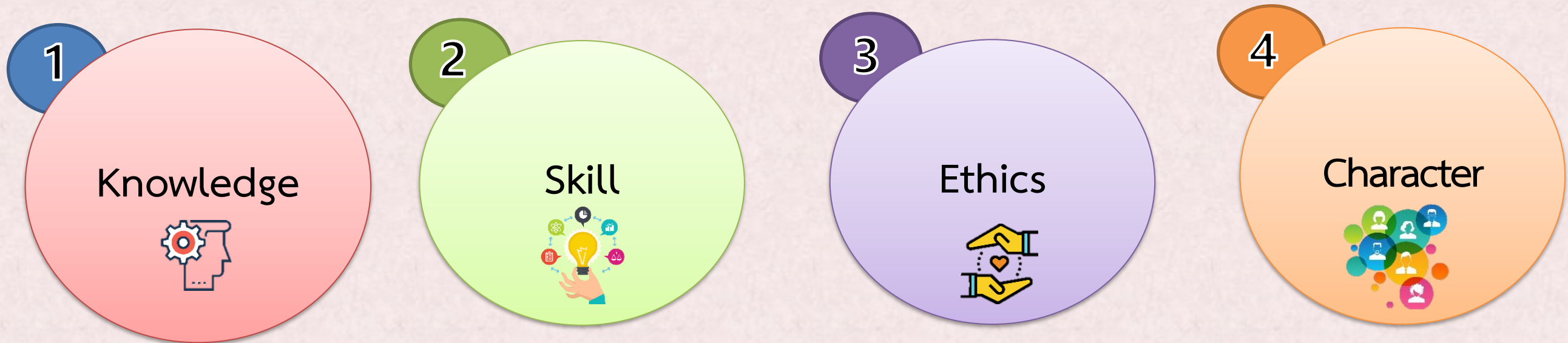


Ministerial Regulations on Higher Education Standards

- 1) Standards for Higher Education Management, B.E. 2565 (2022)
- 2) Standards for Higher Education Curriculum, B.E. 2565 (2022)
- 3) Standards for Academic Appointment in Higher Education Institutions (2022)
- 4) Other Standards for Higher Education, B.E. 2565 (2022)
- 5) Standards for Higher Education Qualifications, B.E. 2565 (2022)

5. Standards for Higher Education Qualifications

- “**Learning outcome**” refers to learner outcomes gained through education, training, practical exercises, or workplace learning
- The learning outcomes of graduates at all levels of the Higher Education Qualifications Framework must include at least the following ‘four domains’:



The Future of Education and Skills

OECD Education 2030 Framework Knowledge, skills, attitudes and values are seen as interconnected and interacting to produce competencies (or capabilities) in action.



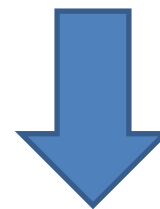
The Extension of Qualifications Framework



ASEAN Qualification Reference Framework (AQRF)



National Qualification Framework (NQF)



Thai Qualification Framework for Higher Education (TQF)



AQRF Referencing Report of Thailand: Bachelor Degree

Learning Outcomes	AQRF	Thailand NQF
Level 6		
<ul style="list-style-type: none">• Knowledge	<ul style="list-style-type: none">• specialized technical and <u>theoretical skills in a specific field</u>• <u>involve critical and analytical thinking</u>	<ul style="list-style-type: none">• <u>theory and detailed specific occupation field</u>
<ul style="list-style-type: none">• Skills		<ul style="list-style-type: none">• <u>skills in thinking, analyzing, reviewing, and comparing problems</u>
<ul style="list-style-type: none">• Application and Responsibility	<ul style="list-style-type: none">• <u>complex and changing</u>• requires <u>initiative</u> and adaptability, as well as <u>strategies to improve activities and to solve complex and abstract issues</u>	<ul style="list-style-type: none">• <u>complex problem-solving and changing</u>• <u>initiate and improve, strategic complex planning, abstract problem-solving and management in the field</u>



Announcement on the Accreditation of Higher Education Standards for Academic Programs in Higher Education Institutions



Accreditation of Higher Education Standards for Academic Programs



- Program is implemented in accordance with the higher education standards
- Officially accredited by the Committee
- Accreditation period of five years from the first year of offering





Accreditation of Higher Education Standards for Academic Programs

1. The program must meet the eight standard criteria



1. Date of approval of the program by the University Council
2. Academic year of program approval by the University Council
3. Program Name (Thai and English)
4. Degree Name and Abbreviation (in Thai and English)
5. Total Credit Hours and Curriculum Structure
6. Program Coordinator and Qualifications
7. Program Faculty and Qualifications
8. Student Admission Plan



Accreditation of Higher Education Standards for Academic Programs

2. Alignment of Learning Outcomes and Curriculum Design with the Qualifications Framework

Considered from

- Curriculum Structure
- Courses/Subjects
- Four Domains of Learning Outcomes



Accreditation of Higher Education Standards for Academic Programs

3. Concerning to

- Curriculum implementation
- Organization of learning processes
- Assessment and evaluation aligned with learning outcomes
- Systems and mechanisms for curriculum development and management

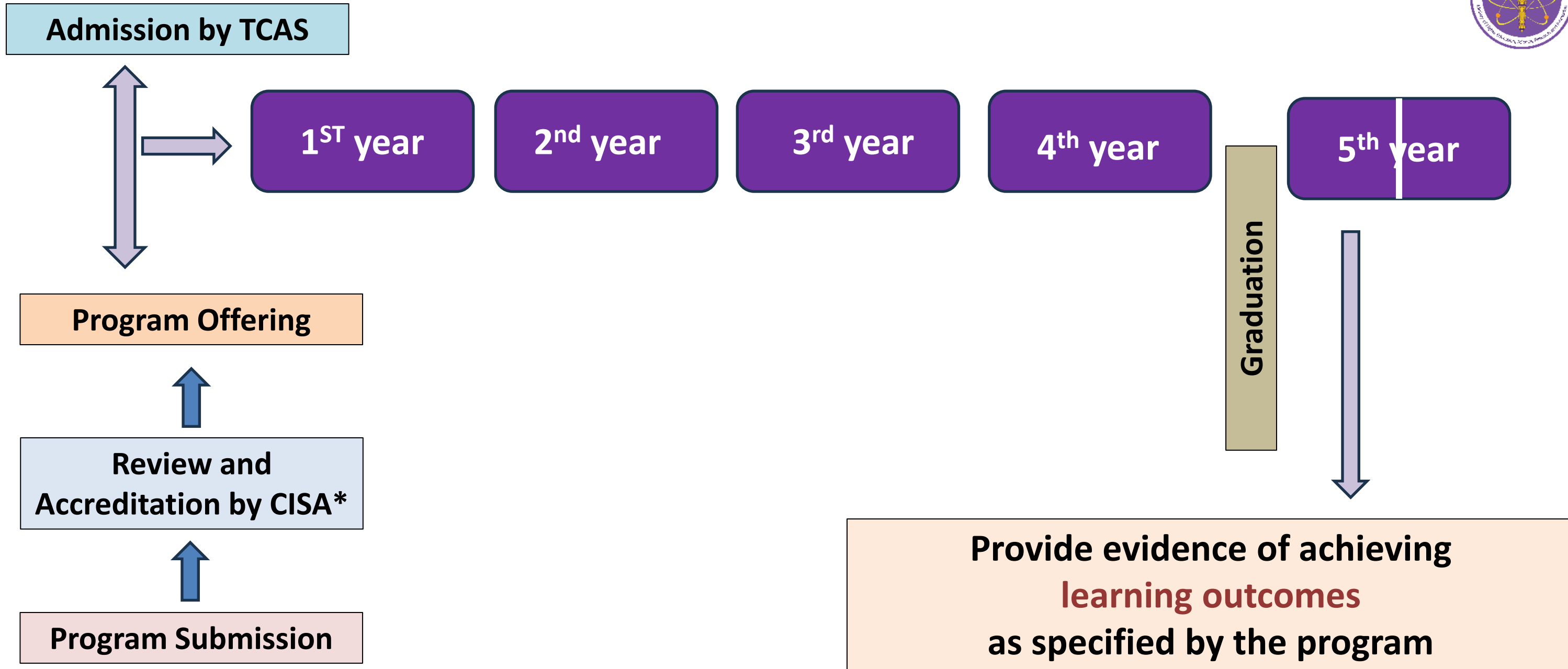
Accreditation of Higher Education Standards for Academic Programs

4. Monitoring of the program's implementation during the first semester after the first cohort of students graduates



Provide evidence of achieving the learning outcomes as specified by the program





* Curriculum Information System for Assessment (CISA)



Higher education curricula accredited in accordance with the national standards of Thailand

Pursuant to the resolution of the Higher Education Standards Committee (HESC), the accreditation of higher education curricula in higher education institutions shall be valid for a period of five years, commencing from the first academic year in which the curriculum is offered. In the case of bachelor's degree curricula with a duration of study of five years or more, the accreditation period shall be extended by one additional year beyond the prescribed duration of study.

Search

University / College: ▼

Curricular ▼

International Stan... ▼

HESC Res... ▼

University / College ▼	Campus	Curricular	Curriculum Type	Year (B.E.)	Semester Offered	Study Duration (Years)	Intl. Standard	HESC Resolution	Ref. ID
Khon Kaen University		Doctor of Pharmacy Program	Revised	2566	1	6		7/2568 (3July68)	25460031101815_2083_IP
Chulalongkorn University		Doctor of Philosophy Program in Educational Research Methodology	Revised	2567	1	3		7/2568 (3July68)	25510011109121_2135_IP
Srinakharinwirot University		Bachelor of Business Administration Program in Global Business Management (International Program)	New	2567	1	4		7/2568 (3July68)	T20242082102878
King Mongkut's University of Technology North Bangkok		Bachelor of Engineering Program in Chemical Engineering	Revised	2566	1	4	ABET	10/2566 (11Oct66)	25510151104121_2089_IP
Chiang Mai University		Bachelor of Nursing Science Program (International Program)	Revised	2566	1	4	ACEN	7/2567 (10July67)	25460041100207_2106_IP
Mahidol University		Master of Science Program in Environmental Health	Revised	2566	1	2		Special(23July68)	25360061100546_2098_IP

Subcommittee on Quality Assurance and Enhancement of HE



Criteria for Quality Assurance in Higher Education Institutions Concerning

- Internal Quality Assessment,
 - Educational Quality Monitoring and Evaluation, and
 - Educational Quality Development.
-
- ❖ Advancing Curriculum Quality to International Standards
 - ❖ Establish Guidelines for External Quality Assessment in Higher Education
 - ❖ Promoting Internal Educational Quality Development and Excellence Enhancement



The Globalization of Higher Education



Objective

**Programmatic
Accreditation**

**Institution
Accreditation**

Promoting International Accreditation of Program



Article 9 Higher education programs that have been accredited by internationally recognized external quality assurance agencies, as announced by the Accreditation Committee, may submit evidence to request exemption from the verification of learning outcomes alignment, curriculum implementation, and compliance of educational processes, according to the program's review cycle

International Standard-Based Curriculum Accreditation



TRIPLE CROWN



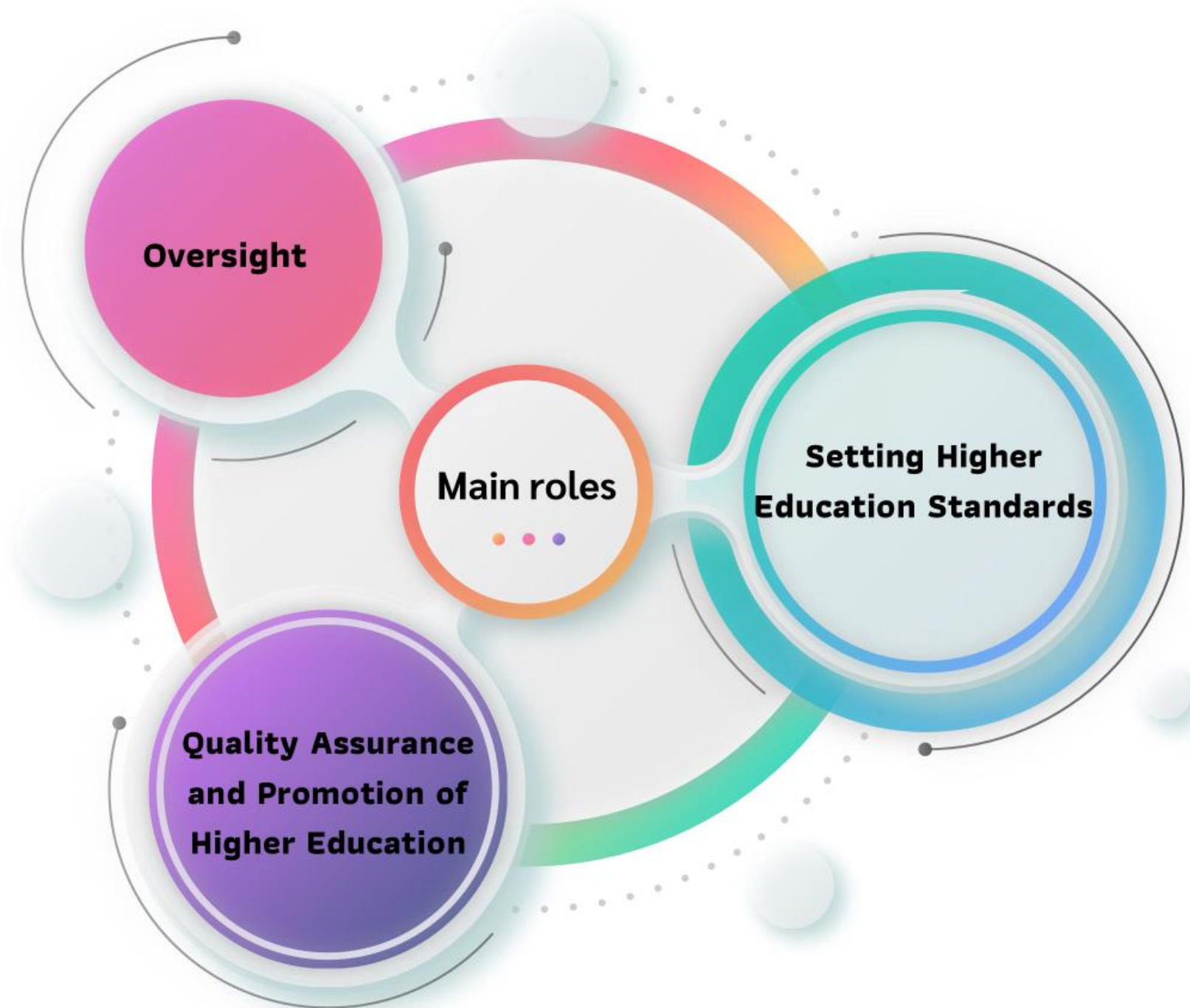
MusiQuE (Music Quality Enhancement)



List of International Program Accreditation Standards Recognized by the Commission on Higher Education Standard (CHES)

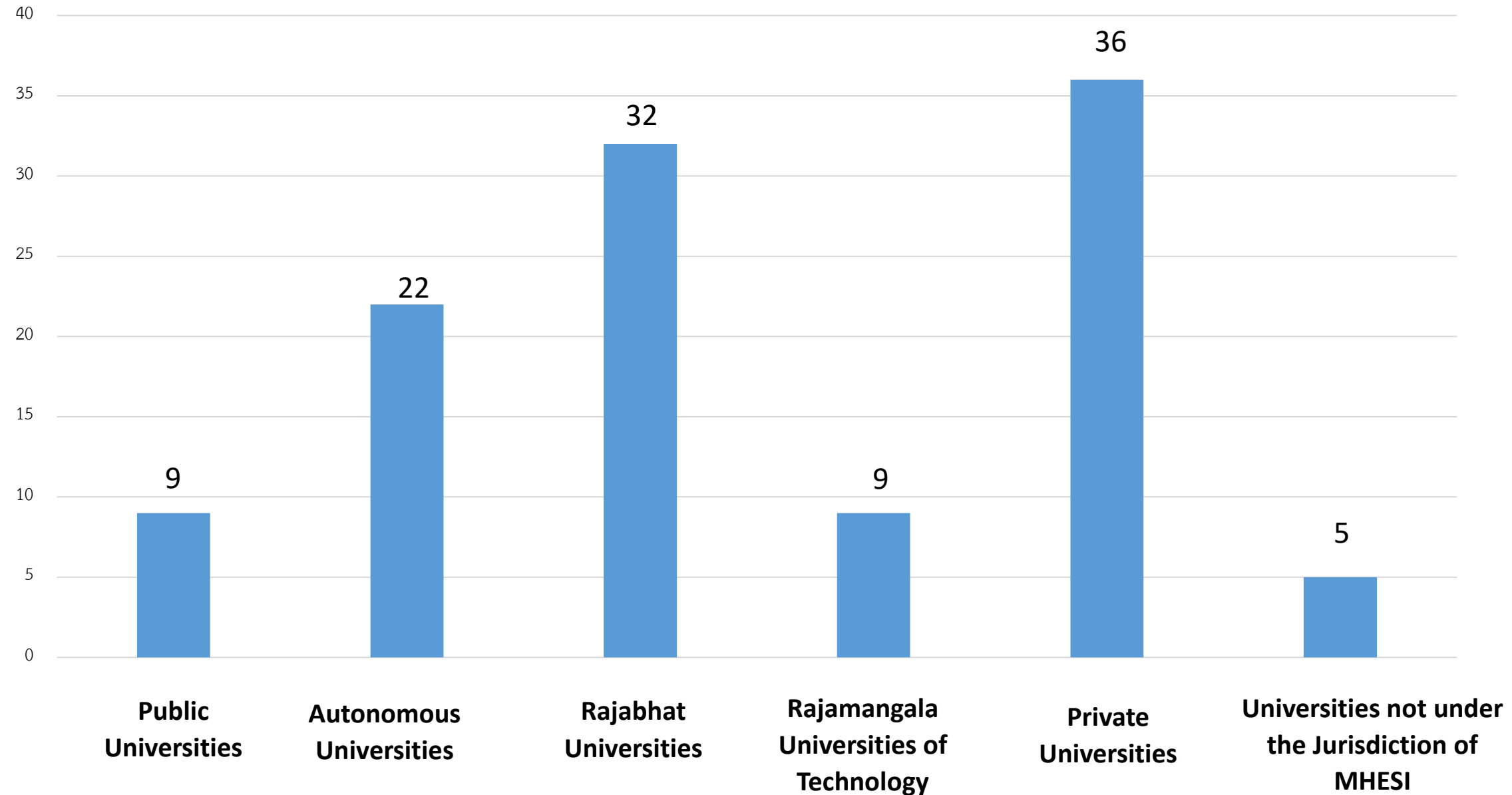
No.	International Program Accreditation Standards	Accrediting Agency	Field of Program	Website	Approved by CHES in meeting
1	Basic Medical Education for Thai Medical Schools (TMC.WFME. BME.) Standards 2021	Institute for Medical Education Accreditation (IMEAc)	Doctor of Medicine Program or MD Program	https://imeac.org	5/2568 on 14.5.2025
2	The ACEN Standards 2017	Accreditation Commission for Education in Nursing (ACEN)	Nursing	https://www.acenursing.org	7/2567 on 10.7.2024
3	World Physiotherapy (WPT) 2020	World Physiotherapy (WPT)	Physical Therapy	https://world.physio	6/2568 on 11.6.2025
4	Accreditation Council for Pharmacy Education (ACPE) Standards 2025	Accreditation Council for Pharmacy Education (ACPE)	Pharmacy	https://www.acpe-accredit.org	8/2568 on 13.8.2025
5	Criteria for Accrediting Engineering (2021-2022)	Accreditation Board for Engineering and Technology (ABET)	Engineering	https://www.abet.org	10/2566 on 11.10.2023
6	National Architectural Accrediting Board (NAAB) Conditions for Accreditation and Procedures for Accreditation 2020	National Architectural Accrediting Board (NAAB)	Architecture	https://www.naab.org	8/2568 on 13.8.2025

<https://www.ops.go.th/th/role/edu-check-certify/item/11229-2024-10-03-06-01-43?preview=1>



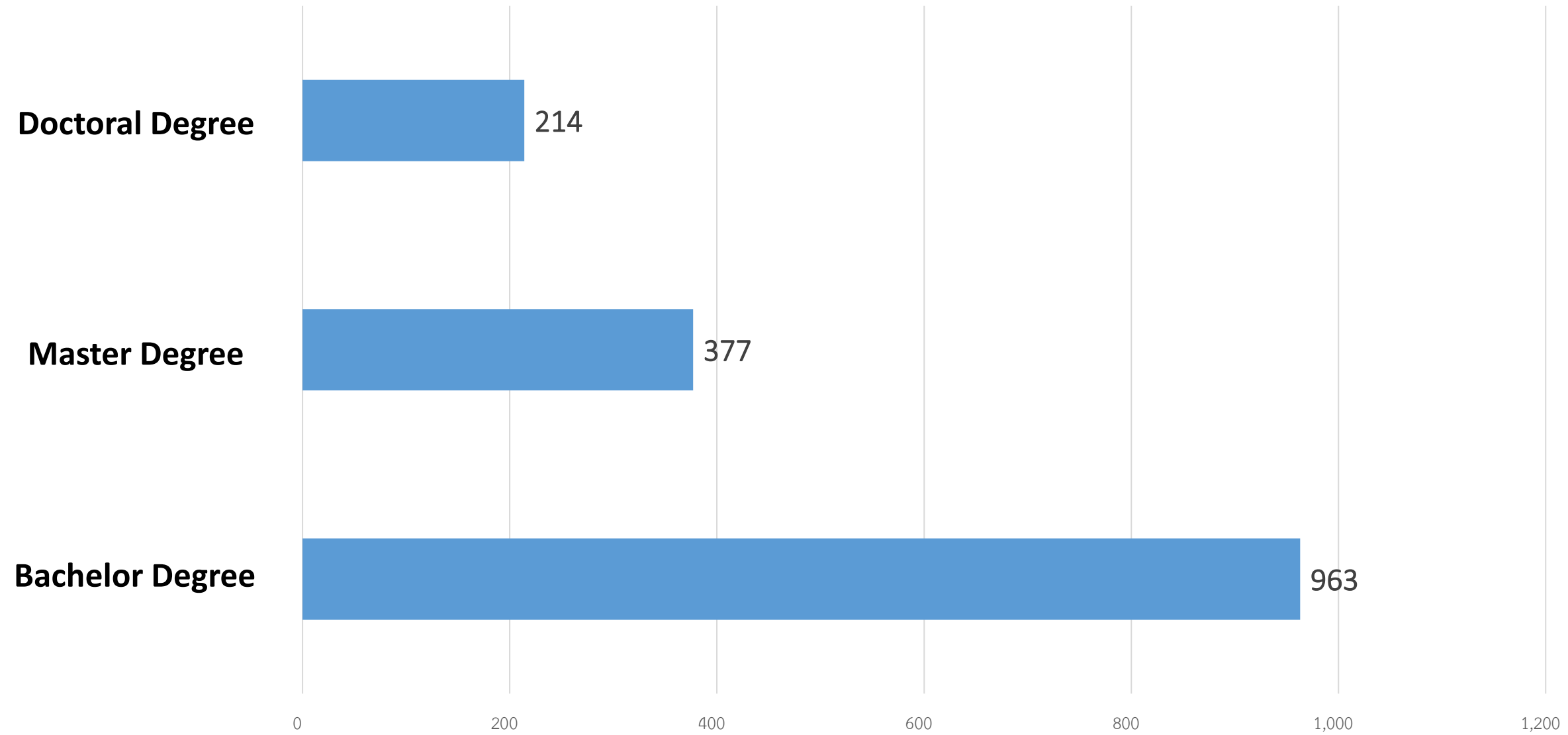


Numbers of HEIs Providing Programs in Engineering (113)



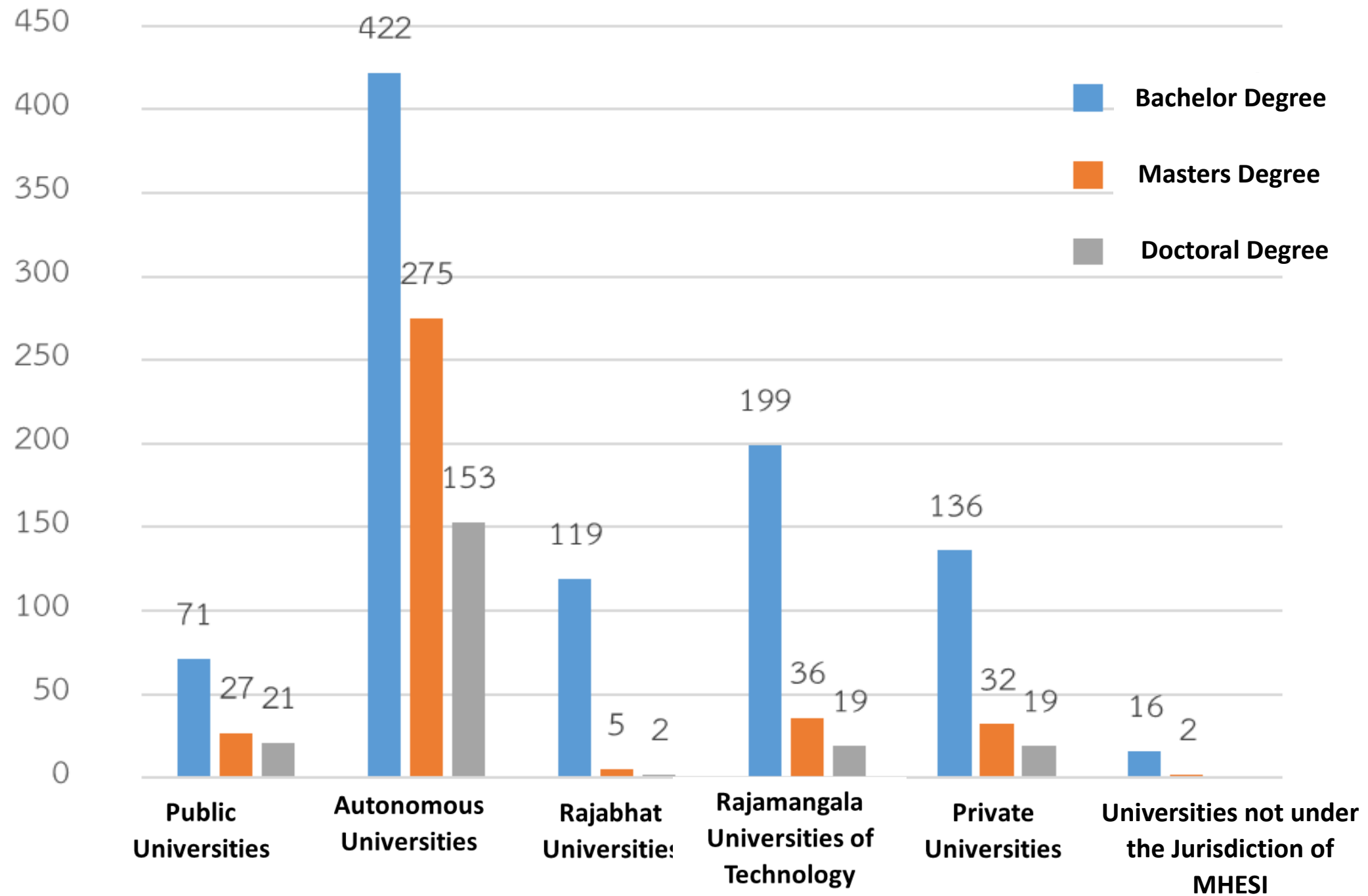


Number of Programs in Engineering (by Level)





Numbers of Programs in Engineering (by Level & HEIs Providing)



The image features a central white rectangular area with the text "THANK YOU FOR ATTENTION" in a bold, blue, sans-serif font. The corners of this white area are decorated with geometric patterns. The top-left and bottom-right corners contain faint, thin-lined patterns of concentric arcs and radiating lines. The top-right and bottom-left corners feature clusters of overlapping semi-circles in teal, orange, and red. The entire white area is framed by a solid purple border.

**THANK YOU
FOR
ATTENTION**