الهيئة السعودية للمهندسين
SAUDI COUNCIL OF ENGINEERS

# Professional Accreditation Guide

## for Engineering Categories

**Version (1)**

1446 AH
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Approval has been granted for the adoption of the Professional Accreditation Guide for Engineering Categories, based on the decision issued by the Board of Directors of the Saudi Council of Engineers, No. 8/8/24, dated 2024/10/17.

# Table of Contents

# List of Tables



# List of Figures

# Introduction

Article 9 of the Engineering Professions Practice System issued by Royal Decree No. (M/36) dated 19/4/1438 H stipulates: "The Board of Directors shall define the professional grades, their requirements, the duration of professional accreditation, renewal procedures, and due financial charges to be reviewed every five years according to the regulation.

Article 6 of the executive regulations of this Engineering Professions Practice System states, "Engineering professions, supportive engineering professions, their classification rules, requirements, professional grades, duration of professional accreditation, the renewal procedures, and financial dues are defined by the authority, approved by the Board of Directors.

The Professional Accreditation Guide has been developed with the purpose of defining the rules, grounds, and measures for the practice of the profession in the engineering and architectural professions. It comprises professional accreditation categories, requirements for every category, professional grades, and specific responsibilities and tasks for every professional grade. Also, information concerning the requirements for registration as an engineer, architect, engineering technologist and architectural technologist and also includes those that shall be met in attaining different levels of professional accreditation. Furthermore, the conditions applying to the practice of profession and renewal of professional grades are also described.

# Chapter 1: Definitions

| | |
|---|---|
| **Authority** | Saudi Council of Engineers |
| **Board of Directors** | Board of Directors of the Saudi Council of Engineers |
| **System** | Engineering Professions Practice System issued by Royal Decree No. M/36 dated 19/4/1438 H |
| **Regulation** | Executive Regulations of the Engineering Professions Practice System |
| **Engineering Profession Practice** | Conducting any engineering work within the fields and levels of engineering specializations and branches |
| **Engineer's Charter** | Set of rules regulating the ethics and behaviors for practicing the engineering profession, approved by the authority |
| **Committee** | Professional Accreditation Committee of the Authority |
| **Professional Accreditation** | Registration with the authority and obtaining a professional grade |
| **Registration** | A procedural process to join the authority, starting with verifying qualifications, experience, and their relevance to engineering |
| **Professional Classification** | Assigning the appropriate professional grade based on a sequential process, including qualifications, experience, professional exams, and professional development |
| **Professional Grade** | The professional level an engineer/architect receives from the authority upon accreditation |
| **Professional Exams** | Scientific and professional exams to verify that engineering program graduates meet the minimum professional practice standards; passing these is required to attain a professional grade |
| **Continuous Professional Development** | A set of knowledge, training, and practical activities the classified person undertakes to enhance skills in line with the latest techniques in their professional field |
| **Engineer** | Holder of a bachelor's degree from an accredited academic program in one of the engineering specializations from a recognized college or university in the country of graduation |
| **Engineering Technologist** | Holder of a bachelor's degree in an accredited academic program in one of the engineering technology specializations from a recognized institution |
| **Architect** | Holder of a bachelor's degree from an accredited academic program in one of the architecture specializations from a recognized institution |
| **Architectural Technologist** | Holder of a bachelor's degree in an accredited academic program in one of the architectural technology specializations from a recognized institution |

| | |
|---|---|
| **Associate Grade** | A professional grade for accredited individuals who meet educational and experience requirements, pass the fundamentals exam in their engineering/architecture specialization, and work under the supervision of a certified professional |
| **Professional Grade** | A professional level granted to those who meet educational and experience requirements and pass exams in their specific field |
| **Consultant Grade** | A professional level for accredited individuals who have five or more years of experience in engineering/architecture practice at a professional level |
| **Practical Experience** | Continuous professional practice in engineering/architecture that meets the standards approved by the authority |
| **Academic Accreditation** | Official certificates from recognized accreditation institutions, confirming that educational programs meet quality standards that ensure graduates' credentials are acceptable for professional practice or admission into esteemed higher education institutions |

# Chapter 2: Registration

Article 7 of the Engineering Professions Practice System, which was issued by Royal Decree No. M/36, dated 19 Rabi' al-Thani 1438 H, stipulates that "applications for professional accreditation are submitted to the committee herein-professional accreditation committee-following the procedures approved by the Board of Directors. An order is issued to professionally accredit it following verification of the required conditions ». The aim of the registration is to assess the academic and professional experience of the practitioners in the profession, authenticate their eligibility to enter the authority, and create a professional record that documents the qualification level for enhancing the professional standards and putting in place the best practices that will protect and enhance the welfare of the community.

## Engineering Categories:

1. Engineer
2. Engineering Technologist
3. 3. Architect
4. 4. Architectural Technologist

## First: The engineer:

The candidate shall have a bachelor's degree in one of the recognized engineering specializations from an accredited academic program, from a recognized institution in the country of graduation or equivalent according to the following enrolling requirements:

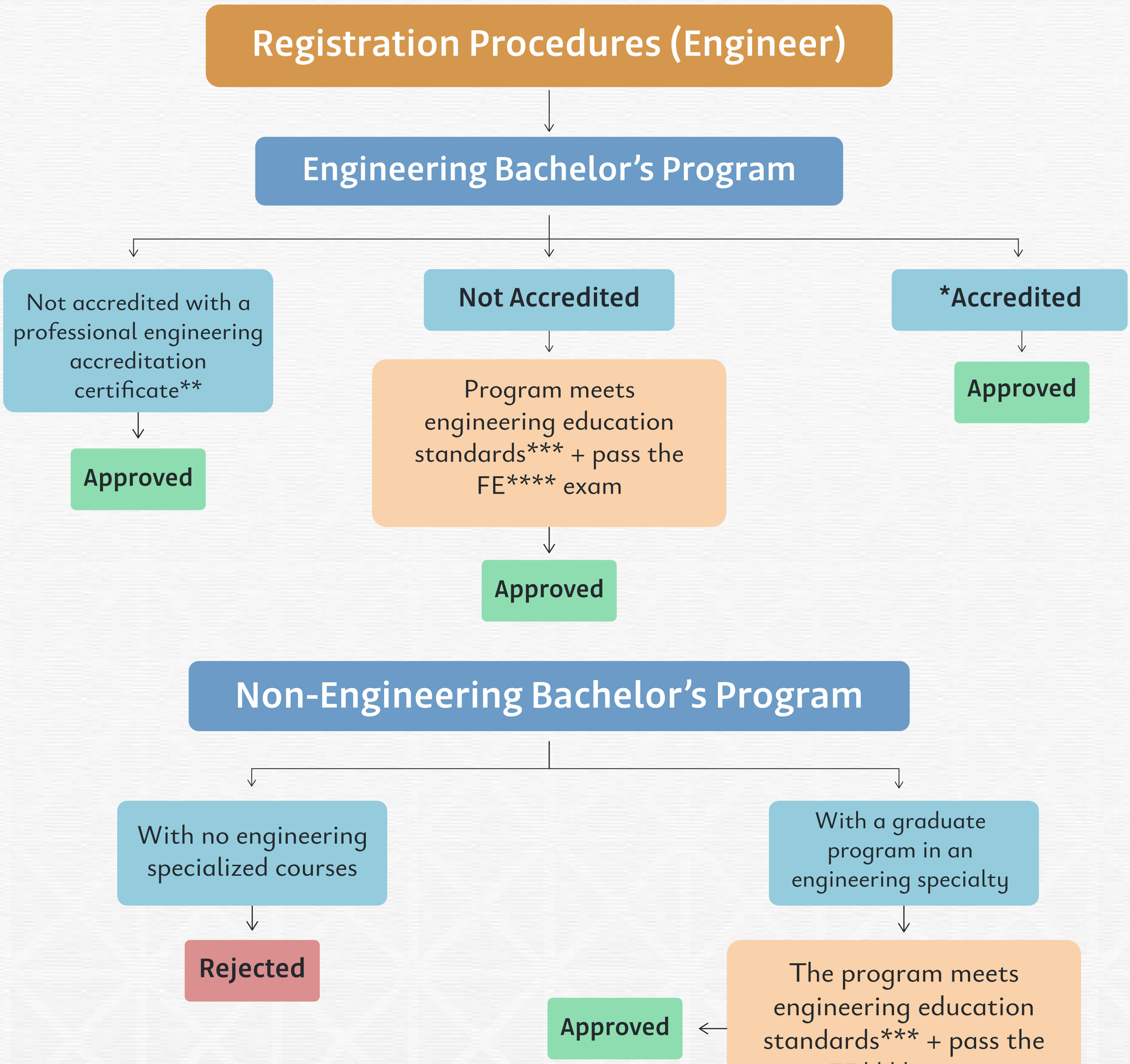
## Engineer Category Registration Requirements:

1. Essential academic qualification in an engineering group.
2. An equivalency certificate must be obtained for qualifications received outside the Kingdom from the Ministry of Education, or verification in terms of content and issuance authenticity from the Ministry of Education; for Saudi citizens, certification by the Ministry of Foreign Affairs and cultural attachés for non-Saudis.
3. Submission of the required documents to complete the registration process: ID/border number, passport, employment reference letter, and academic record.
4. Declaration and authorization form signed - to be provided via the authority's online templates.
5. The academic program shall be accredited at the local or international level.
6. By paying the fee for registration, corresponding to a membership period chosen by oneself.

## Study of Registration Requests for the Title of Engineer:

All required documents are studied and reviewed, including academic accreditation for each application as per Figure No. (1). This ensures the eligibility of the applicant for the title of engineer according to accredited engineering programs. Table No. (1) clarifies the minimum educational requirements for engineering disciplines, which must be fulfilled by the applicant when registering as an engineer.

***Figure (1): Procedures for Reviewing Requests for the Title of Engineer***




* A program lasting at least 4 years that is accredited by a local or international institution or academic accreditation board and meets engineering education standards.
** A professional engineering accreditation body, an engineering union, or an engineering council in the country of graduation, accredited by the body.
***All courses and all grades obtained by the applicant are included in the application study, provided that they include (basic sciences + engineering courses in engineering analysis and design + specialized and technical skills in the engineering field) in accordance with the engineering education standards listed in Table (1).
FE**** refers to the Fundamentals of Engineering Exam – a standardized exam required for registration.

## Engineering Program Standards:

Accredited engineering academic programs install the necessary skills on students that will be gained through study. The programs need to focus on the program objectives and appropriate to the needs of the engineering job market to ensure successful engineers in practice. Engineering programs normally target basic sciences, engineering mathematics, design in engineering and engineering practices. General competencies imparted by the programs enable the engineers to achieve the following engineering competencies:

1. Ability to apply reasoning informed by the principles of engineering, science, and mathematics to solve complex engineering problems and to find appropriate solutions.
2. Ability to design solutions for a system component that meets desired needs, considering such issues as health and safety, public welfare, global, cultural, social, environmental and economic factors.
3. This shall mean appreciating the dimension of ethical and professional responsibility in carrying out the work as an engineer by embracing ethical practices, making rules and regulations, and adhering to professional standards.
4. Ability to take into consideration the potential impact of engineering solutions on economic, environmental, and social considerations in decision-making.
5. Ability to communicate effectively with diverse groups representing various backgrounds.
6. Competence to conduct, carry out, and develop scientific experimentation; data analysis and interpretation; and use of engineering results in decision-making.
7. Ability to learn new knowledge as needed with the help of appropriate learning strategies.

Engineering graduates are supposed to enter into engineering careers with core knowledge and skills in analysis, design, and problem-solving, enabling them to achieve the requirements of a professional engineering class. This development entails necessary knowledge within their field, passing competency examinations, and meeting fulfilment of every qualification set by the profession in order to gain the title of Professional Engineer.

## Table (1): Minimum Requirements for Engineering Education

Applicants must hold a bachelor's degree from an accredited academic program with a duration of no less than 4 years and must meet the following requirements to qualify for registration as an engineer:

| Field | Required Hours* | Examples of Required Courses |
|---|---|---|
| **General Sciences (Human and Social Sciences)** | **Hours 12** | Islamic Culture, History, Arts, Literature, Sociology, Social Sciences, Behavioral Sciences, Management, Accounting, Law, Communication Skills, Leadership |
| **Mathematics and Basic Sciences** | **Hours 32** | Mathematics<br>Calculus, Statistics, Probability, Differential Equations, Discrete Mathematics, Numerical Analysis, Linear Algebra<br><br>Basic Sciences<br>Chemistry, General Physics, Environmental Science, Geology, Earth Science, Biology, Physiology, and Health Science |
| **Engineering Sciences/ Engineering Design** | **Hours 48** | **Engineering Sciences**<br>Mechanical, Electrical, Chemical, Civil, and Structural Engineering; Thermodynamics; Electronics; Control Engineering; Structural Design<br><br>**Engineering Design**<br>Focuses on developing competencies in design, identifying and analyzing problems, collecting data, and generating solutions for project planning and implementation |

* Represents the semester credit hour for a yearly two semesters academic program with each semester not enduring less than 15 weeks.

## Second: Engineering technologist:

A person shall be deemed qualified to be registered as an "Engineering Technologist" if such a person has acquired a Bachelor's degree in one of the engineering technologies' disciples from an accredited and recognized program from a college or university recognized by the graduation country or host country. The requirements for registration are as follows:

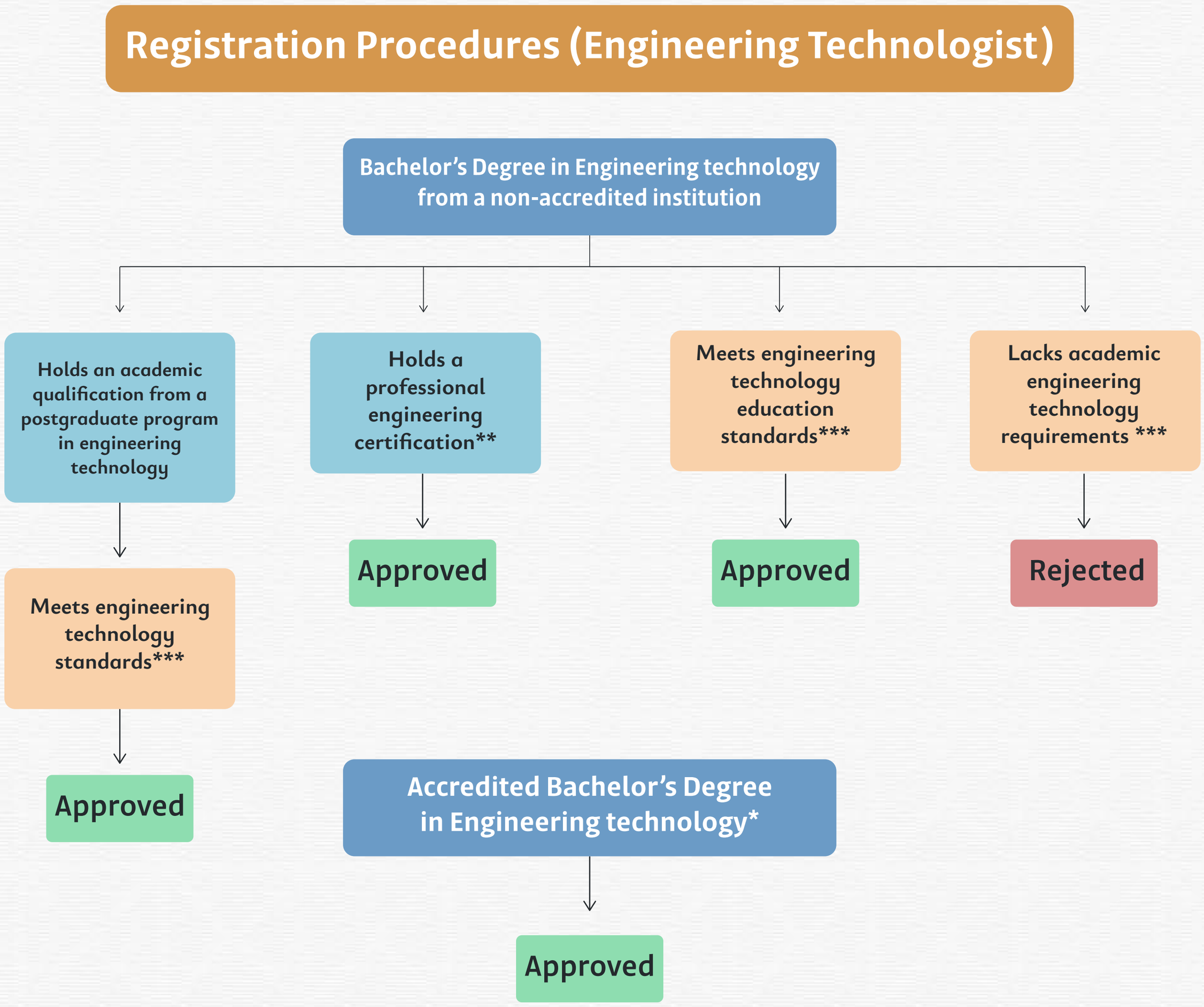
### Technical Registration Requirements:

1. The candidate must have a bachelor's degree in one of the specializations accredited for engineering technologist.
2. Obtain a Certificate of Equivalency for Qualifications obtained outside the Kingdom, accredited by the Ministry of Education or the Saudi Ministry of Health for health-related specialties.
3. Submit all required documentation, including:
   - Valid identification (national ID or residency permit for non-Saudis)
   - Passport and academic transcripts
   - Supporting documents, such as travel records or equivalency certifications
4. Submitting the agreement and declaration which is to be signed through the Authority's official online platform.
5. Membership in a recognized program that is accredited and accessible on the basis of the website for registration.
6. The registration fee is paid according to the number of the years for membership.

### Study of Registration Requests for Engineering Technologist Title:

It checks and authenticates all relevant documents related to academic accreditation, in accordance with the steps shown in the above diagram, and in compliance with the minimum requirements for education as shown in Table No. (2), to allow the candidate to fulfill the conditions of education so as to be registered under the title engineering technologist.

## *Figure (2): Procedures for Reviewing Engineering technologist Requests*




* A program of no less than 4 years, accredited by a local or international institution or academic accreditation board, and meeting the standards of engineering technical education in accordance with the standards in Table No. (2).
** A professional engineering accreditation body, an engineering union, or an engineering council in the country of graduation, accredited by the body.
***All courses for all grades obtained by the applicant are included in the application study, provided that the curricula focus on understanding and acquiring the basic principles and skills of the specialization, as well as that the program imparts the skills of thinking, analysis, constructive criticism, creativity, and evidence-based decision-making.

## Engineering Technologist Program Standards:

Pure engineering technology programs focus on teaching the fundamentals of principles and applied sciences in engineering fields. It empowers students to develop practical skills for current and future industrial needs. This course will try to let the student acquire working skills for his participation in the job market, including:

1. Basic and applied sciences and mathematics.
2. Applied engineering theories.
3. Practical training skills.
4. Applying engineering concepts and creative solutions.
5. Problem-solving methodologies.
6. Working with interdisciplinary engineering and non-engineering teams.
7. Integration of field and problem-solving skills.

Graduates of the engineering technology programs find their fields in construction, manufacturing, product design, laboratory testing, technical services, and sales.

## *Table (2): Minimum Requirements for Engineering technologist Education*

The applicant must hold a bachelor's degree in engineering technology from an accredited academic program, with a program duration of at least four years, fulfilling the following requirements for registration under the title of "Engineering technologist":

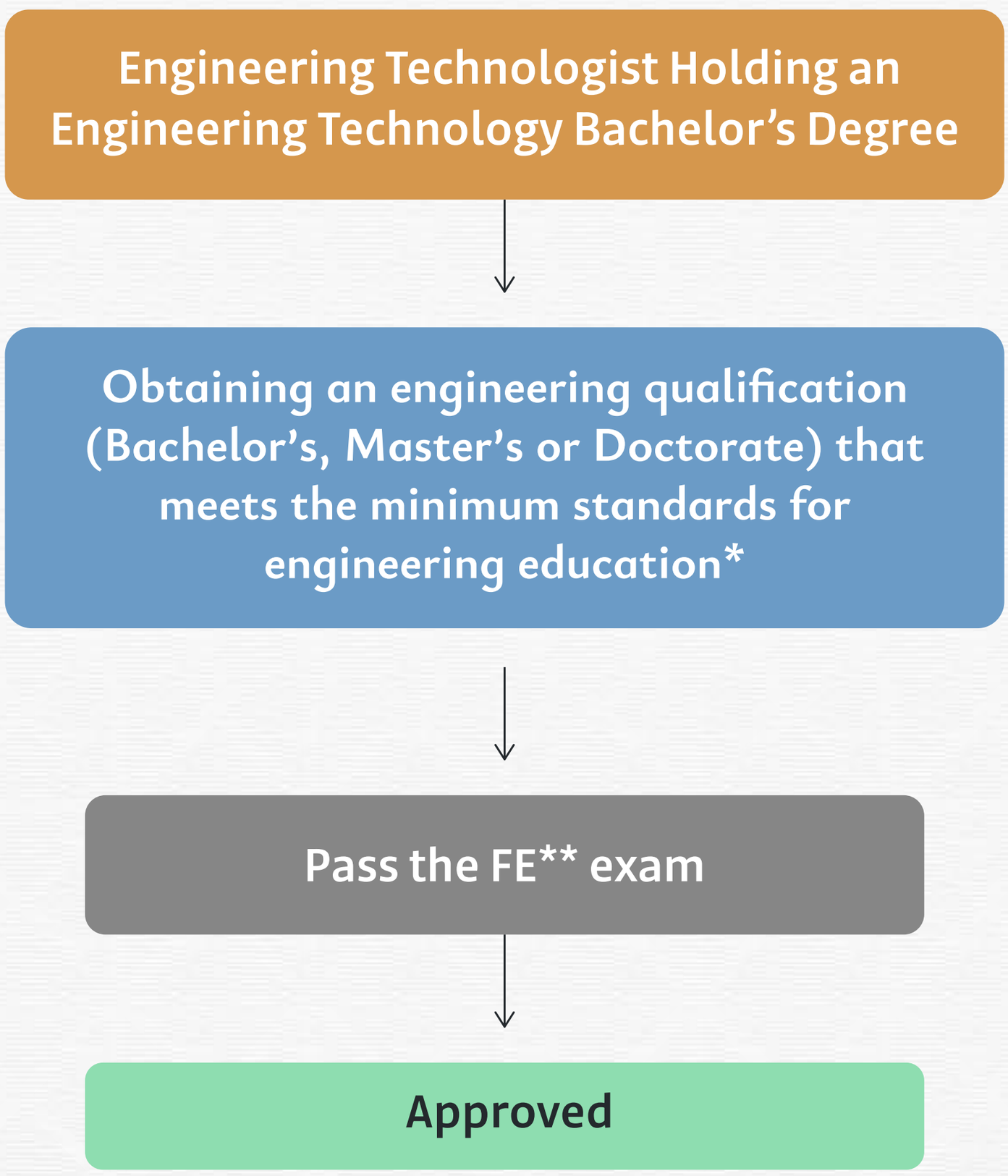
| Field | Required Hours* | Examples of Required Courses |
|---|---|---|
| **General Sciences (Human and Social Sciences)** | **Hours 15** | Islamic culture, history, sociology, political science, management, accounting, literature, fine arts, psychology, humanities, economics, professional ethics, social responsibility, business, law, philosophy, written and oral communication skills |
| **Mathematics and Basic Sciences** | **Hours 25** | **Mathematics**<br>Calculus, Statistics, Probability, Differential Equations, Discrete Mathematics, Numerical Analysis, Linear Algebra<br><br>**Basic Sciences**<br>Chemistry, General Physics, Environmental Science, Geology, Earth Science, Biology, Physiology, and Health Science |
| **Engineering Sciences/ Engineering Applications** | **Hours 45** | **Engineering Sciences**<br>Mechanical, Electrical, Chemical, Civil, and Structural Engineering; Thermodynamics; Electronics; Control Engineering; Structural Design<br><br>**Engineering Applications**<br>• Courses concerned with applying basic engineering principles and technical skills<br>• Courses aimed at developing products, manufacturing and construction methods, and engineering operational functions<br>• Courses aimed at understanding and conducting engineering tests, development processes, systems development, field engineering, technical operations, and quality control |

*Represents the semester credit hour for a yearly two semesters academic program with each semester not enduring less than 15 weeks.

## Procedures for Promoting Engineering Technologist to Engineer Title:

All required documents are reviewed for academic accreditation as per each step outlined in the figure. Eligibility of the applicant for the title of Engineer is ensured, as detailed in Figure No. (3).

*Figure (3): Procedures for Promoting Engineering technologist to Engineer Title*




* A program of no less than 4 years, accredited by a local or international institution or academic accreditation board, and meeting engineering education standards in accordance with the standards in Table No. (1).
** Fundamentals of Engineering Exam (FE)

# Third: Architecture:

The applicant shall have a bachelor's degree in one of the specializations of architecture from an officially recognized, accredited academic program by a college or university in the country where said college is located, or its equivalent, according to the following requirements for registration under the title of "Architect."

- **Professional Registration Requirements:**

1. Possess a bachelor's degree in architecture from a recognized and accredited academic program that meets the standards of the Authority.

2. Saudi citizens must provide an equivalency certificate from the Ministry of Education for degrees earned outside the Kingdom. Non-Saudis must ensure their certificates are attested by the Ministry of Foreign Affairs and cultural attachés.

3. Completion of necessary documentation for registration (ID/residency permit, passport, travel documents, and any other records required for account verification by the academic registry).

4. Submit a signed declaration via the Authority's official online platform and enroll in an accredited architectural membership program.

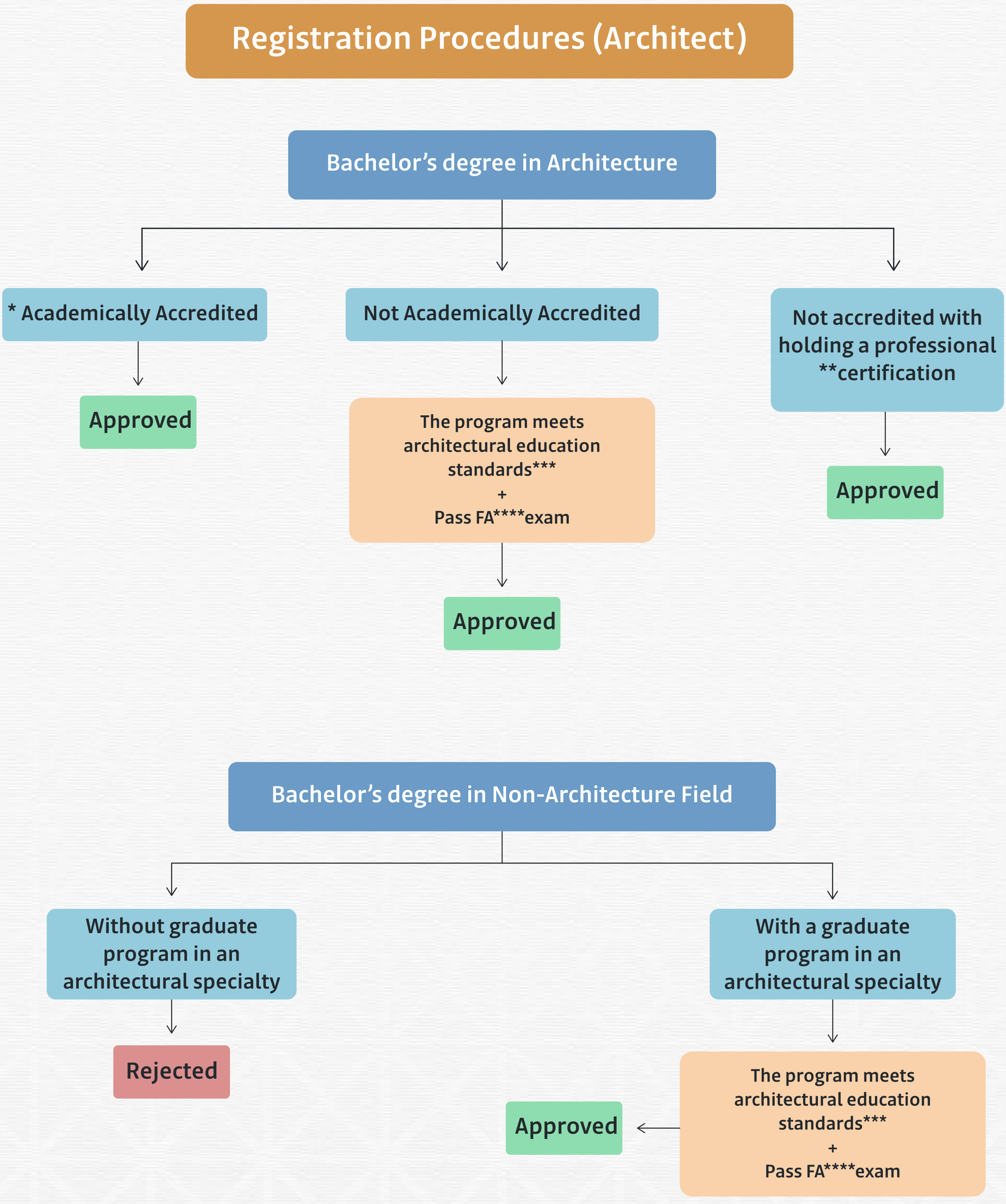
5. Membership in an accredited architectural program recognized locally and internationally.

6. Payment of registration fees based on the required membership years.

- **Study of Registration Requests for the Title of Architect:**

A study and review of all required documents for academic accreditation of the programs from which each applicant for the title of Architect graduates is conducted, following the procedures outlined in Figure No. (4). This ensures that the applicant meets the architecture standards. Table No. (3) outlines the minimum educational requirements for architecture specializations, which must be fulfilled by applicants when registering as an Architect.

## *Figure (4): Procedures for Reviewing Requests for the Title of Architect*




*A program of no less than 4 years, accredited by a local or international institution or academic accreditation board, and meeting the standards of education in architecture according to the criteria in Table No. (3).
**An architectural professional accreditation body, an architectural union, or an architectural council in the country of graduation, accredited by the authority.
***All courses for all grades obtained by the applicant are included in the application study, provided that they include (basic sciences + courses in engineering analysis + Architectural design + specialized and technical skills in the architectural field) according to the architectural education standards listed in Table No. (3).
****FA Test: Fundamentals of Architecture Exam

## Standards of Academic Programs for Architecture Specialization:

Academic programs in architecture shall lead to learning outcomes where students acquire knowledge and skills necessary for the profession that equip the graduate with design and architectural theory and practical implementation skills. The following are some key competencies that architecture programs shall develop in students:

1. Identifying, defining, and solving complex architectural problems using architectural principles and methodologies.

2. Applying architectural designs that meet health, safety, and welfare needs.

3. Understanding the importance of ethical and professional responsibilities in architecture.

4. Assessing the social, environmental, and economic impact of architectural solutions.

5. Communicating effectively with diverse groups.

6. Conducting and interpreting architectural data and experimentation for informed decisions.

7. Continually adopting and applying new architectural knowledge as needed.

Graduates of academic programs in architecture strive to apply fundamental architectural principles, engineering skills, and develop architectural designs, working drawings, and construction plans. They also contribute to aligning architectural designs with the requirements of other disciplines, such as mechanical, electrical, health, and safety engineering. Some graduates pursue advanced studies in architecture to further enhance their expertise. Bachelor's degree graduates from accredited programs can become Professional Architects by meeting the requirements for professional classification, which include gaining sufficient architectural experience in the field and passing professional examinations.

# Table (3): Minimum Requirements for Architectural Education

Applicants for the title of Architect must hold a bachelor's degree from an accredited program and meet the following requirements:

| Field | Required Hours* | Examples of Required Courses |
|---|---|---|
| **General Sciences (Human and Social Sciences)** | **Hours 15** | Islamic culture, history, sociology, political science, management, accounting, literature, fine arts, psychology, humanities, economics, professional ethics, social responsibility, business, law, philosophy, written and oral communication skills |
| **Mathematics and Basic Sciences** | **Hours 10** | **Mathematics**<br>Calculus, Statistics, and Probability<br>**Basic Sciences**<br>General Physics and Earth Science (Environmental Science) |
| **Engineering Sciences** | **Hours 20** | Mechanical installations, sanitary installations, statics and material resistance, design of concrete structures, and structural analysis |
| **Architectural Sciences/Architectural Design** | **Hours 50** | **Architectural Sciences**<br>Environmental control, landscaping, humans and the built environment, building sciences, building construction, architectural history, architectural theories, architectural economics, computer design.<br><br>**Architectural Design**<br>Architectural design courses shall focus on identifying and implementing the steps of the design process, including defining goals, constraints, and standards, collecting information, developing alternative solutions, evaluating and analyzing them, and choosing the best one to create, test, and evaluate it. The number of architectural design courses is not less than 8 courses (8 design studio). |

*Represents the semester credit hour for a yearly two semesters academic program with each semester not enduring less than 15 weeks.

# Fourth: Architectural technologist:

An applicant shall be qualified to register under the title of "Architectural Technologist" who possesses a bachelor's degree in one of the architectural science specializations from an accredited program which is officially recognized by a college or university in the country of graduation, based on the following registration requirements:

## Professional Registration Requirements:

Possess an academic qualification in the relevant specialization of architectural technology.

1. Obtain a Bachelor's degree from an accredited academic program of one of the engineering/architectural disciplines from a college or program that meets the registration standards of the authority.

2. Complete necessary documentation for registration (ID/residency permit, passport, and other documentation for account verification, academic transcript)

3. Submit a signed declaration (accessible through the Authority's official online platform)

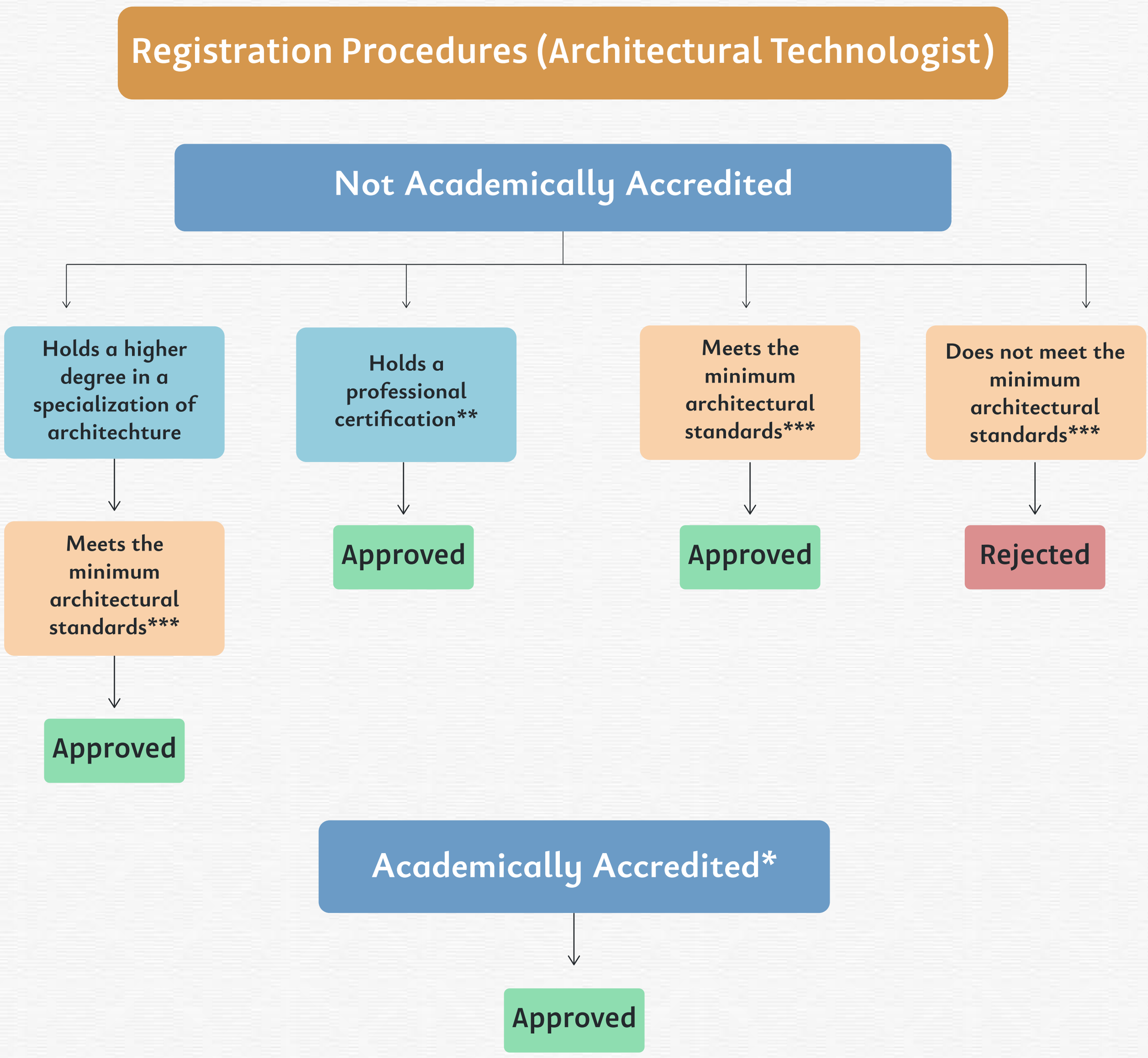
4. Have a membership in an accredited architectural program recognized internationally

5. Pay registration fees covering the requisite years of membership

## Study of Registration Requests for the Title of Architectural technologist:

A study and review of all required documents for academic accreditation of the programs from which each applicant for the title of Architectural technologist graduates is conducted, following the procedures outlined in Figure No. (5). This ensures that the applicant meets the standards for architectural technology programs. Table No. (4) outlines the minimum educational requirements for architectural technologist specializations, which must be fulfilled by applicants when registering as an Architectural technologist.

*Figure No. (5): Procedures for Reviewing Requests for the Title of Architectural technologist*




* A program of no less than 3 years, accredited by a local or international institution or academic accreditation board, and meeting the standards of architectural technical education in accordance with the standards in Table No. (4).
** An architectural professional accreditation body, an architectural union, or an architecture council in the country of graduation, accredited by the body.
*** All courses for all grades obtained by the applicant are included in the application study, provided that the curricula focus on understanding and acquiring the basic principles and skills of the specialization, as well as that the program imparts the skills of thinking, analysis, constructive criticism, creativity, and evidence-based decision making.

# Standards of Architectural technologist Programs:

Architectural technology courses usually focus on teaching the fundamental principles and applied sciences in the architectural fields, with an emphasis on design skills and architectural practices. The programs are supposed to prepare the student with practical skills to meet the current and future needs of the architecture industry. Competencies to be developed in architectural technology education will include:

1. Basic and applied sciences such as mathematics (geometry) and technical drawing

2. Practical skills like reading and interpreting technical drawings and creating specifications

3. Application of architectural principles and creative solutions

4. Problem-solving skills for technical challenges

5. Working with multidisciplinary teams in both architectural and non-architectural fields

6. Integration of field skills with practical problem-solving abilities

Graduates of architectural technologist programs often merge architectural skills with engineering principles, advancing through stages of building and integrating architectural technologies with diverse environmental elements. They gain adaptability across various construction techniques and are prepared for positions in sectors such as construction, testing products, and technical services.

## Table (4): Minimum Requirements for Architectural Technologist Education

Applicants for the title of Architectural technologist must hold a bachelor's degree from an accredited technical academic program in architecture and meet the following requirements:

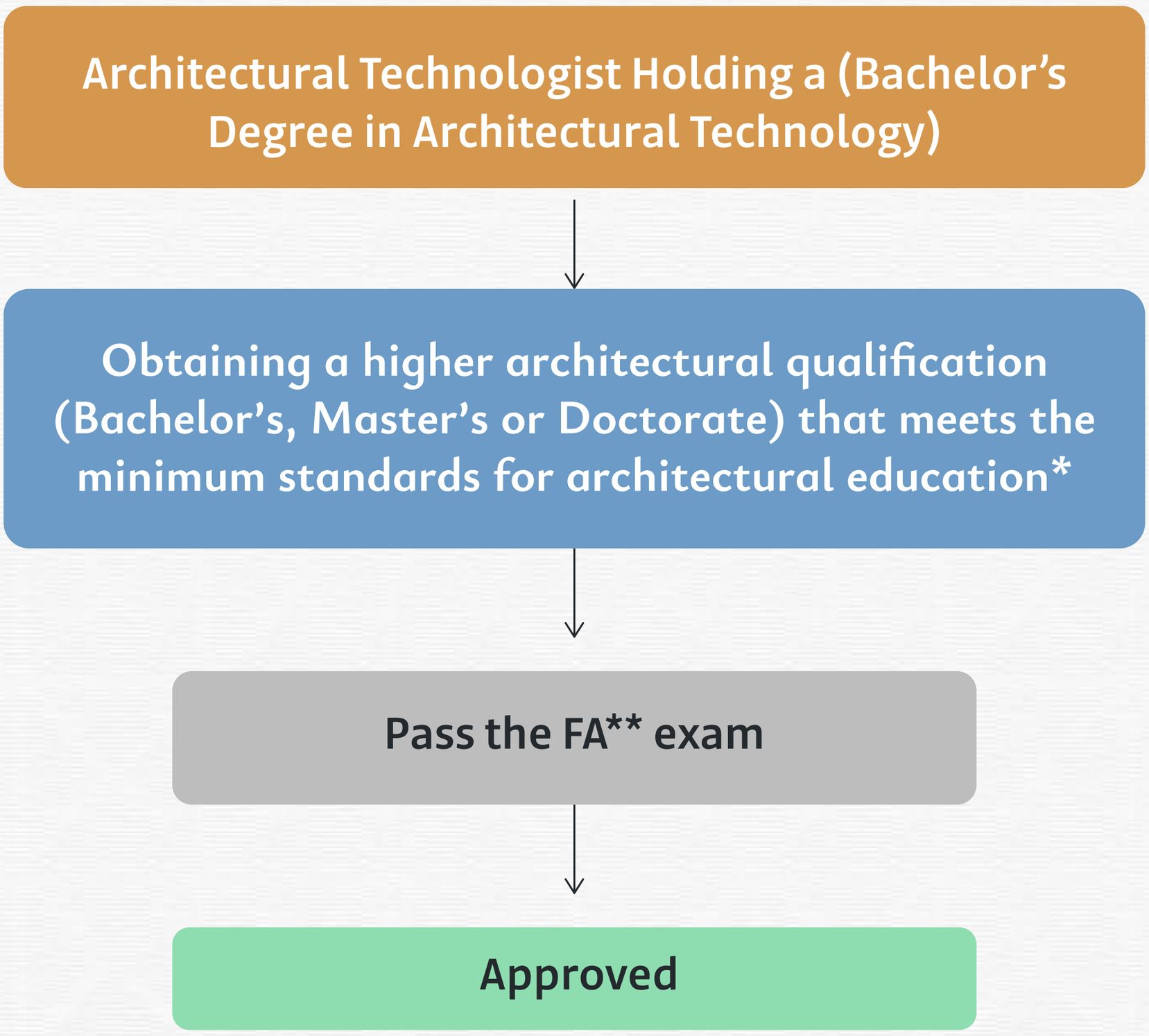
| Field | Required Hours* | Examples of Required Courses |
|---|---|---|
| **General Sciences (Human and Social Sciences)** | **Hours 15** | Islamic culture, history, sociology, political science, management, accounting, literature, fine arts, psychology, humanities, economics, professional ethics, social responsibility, business, law, philosophy, written and oral communication skills |
| **Mathematics and Basic Sciences** | **Hours 5** | Basic Mathematics (Algebra)<br><br>Earth Science (Environmental Science) |
| **Engineering Sciences** | **Hours 20** | Design of concrete structures, structural analysis, building materials |
| **Architectural Technical Sciences** | **Hours 45** | Architectural design, building and architecture techniques, theories and history of architecture, building services, building information modeling, sustainability, specifications and quantities, building materials, computer drawing, project management, cost estimation, writing specifications, technical systems in buildings, professional practice and ethics, procurement management, graduation project |

*Represents the semester credit hour for a yearly two semesters academic program with each semester not enduring less than 15 weeks.

## Procedures for Promoting Architectural Technologist to the Title of Architect:

All required documents are reviewed and verified, including academic accreditation, as outlined in figure (6). Eligibility of the applicant for promotion to the title of Architect is assessed based on meeting architectural education standards.

***Figure (6): Procedures for Promoting Architectural technologist to Architect Title***




*A program of no less than 4 years, accredited by a local or international institution or academic accreditation board, and meeting the standards of education in architecture according to the standards in Table No. (3).
** Fundamentals of Architecture Exam (FA)

# Chapter Three: Classification

## Introduction:

The system has initiated the regulatory system for practicing the engineering professions in the Kingdom, according to Article 2 of this system, stating that no one shall be allowed to practice any engineering profession without obtaining professional accreditation from the Authority. First, the professional accreditation process shall be initiated by registration with the Authority and the acquisition of one of the professional accreditation titles according to the academic qualification of the applicant. The applicants, upon registration, are categorized in regard to their academic qualification, level of experience, and career stage. It encompasses various titles: a professional engineer, a professional architect, a professional technologist, and a professional consultant. Each of these titles has specific responsibilities that express the limit of authority within which each shall work. These titles are meant to introduce the standards required for the attainment of professional levels that would equate to the administrative and technical requirements in the field of engineering.

In accordance with the Kingdom's comprehensive development plan, this system aims to build high-level engineering competencies that contribute to the economic development of the Kingdom.

# First: Professional Grades:

The professional grades are: Professional Engineer/Architect – Associate - Consultant.

## 1. Engineer/Architect Grade

- **Requirements:**

• Hold a Bachelor's degree from an accredited academic program in one of the engineering/architectural specializations from a recognized college/university or program that meets the Authority's registration standards.

- **Responsibilities:**

• Assist the technical team in the work environment

• Engage in professional development programs to enhance technical and practical expertise

## 2. Associate Grade

- **Requirements:**

• A bachelor's degree from an accredited academic program in one of the engineering/architectural specializations recognized by the Authority, from an accredited college/university or program which meets the registration standards set by the Authority.

• Be a registered member of the Authority

• Pass the Fundamentals of Engineering/Architecture exam (FE/FA)

• Pay classification fees

## Duties and Responsibilities:

1. Conducting reviews and designing, under the supervision of a licensed Engineer/Architect, within the scope of work limited to a Professional Grade.
2. Developing and preparing engineering designs and drawings within one's field of specialization.
3. Practicing engineering and architectural responsibilities under the supervision of a certified professional with a rank no less than 'Professional'.
4. Signing reports and designs alongside a professionally certified person whose professional rank is no less than professional.
5. Focus on developing his professional and technical capabilities through professional development programs.

# 3. Professional Grade

## Requirements:

1. Hold a bachelor's degree from an accredited academic program in one of the engineering/architectural specializations from a recognized college or program that meets the Authority's registration standards

2. Have a registered membership with the Authority

3. Have a minimum experience of five years in a similar role proved

4. Pass the Professional Engineering/Architecture Practice Exam (PE/PA)

5. Pay classification fees

## Duties and Responsibilities:

- Deliver specialized engineering and architectural services, including technical reviews, project designs, and consultation within their certified field

- Conduct technical reviews, write reports, and prepare designs within the area of specialization

- Manage technical services within their area of specialization

- Train professionally certified individuals classified at the level of Associate or below

- Have a membership in technical committees in the Authority
- Arbitration and dispute settlement after obtaining the required qualification
- Manage service contracts within area of specialization

- Lead strategic initiatives, mentor junior professionals, and oversee multidisciplinary projects that align with the Authority's objectives

- Develop the body of knowledge in the field of Engineering/Architectural Disciplines

# 4. Consultant Grade

## Requirements:

1. Hold a bachelor's degree from an accredited academic program in one of the engineering/architectural specializations from a recognized college or program that meets the Authority's registration standards.

2. Registered membership with the Authority.

3. The experience requirement can be met by practicing at the professional level for at least five years, or a minimum of ten years of professional practice, in addition to passing the Engineering/Architectural Practice Exam (PE/PA) for those who have not previously taken the exam.

4. Pay classification fees.

## Duties and Responsibilities:

• Perform all duties and responsibilities as outlined for the Professional Grade.
• Supervise and mentor less experienced professionals, advising them on how to further their career goals.
• Participate in and make strategic contributions to developing and preparing the forward-looking skills for engineering and architectural professions.

# Second: Requirements for Renewal of Professional Grades:

**1. Professional Grades: Grades are renewable every three years in the case of fulfilling requirements for renewal of each grade.**

## Associate Grade Renewal:

- Valid membership with the Authority.
- * Completion of 60 points of continuous professional development.
- Payment of classification fees.

## Professional Grade Renewal:

- Valid membership with the Authority.
- *Completion of 40 points of continuous professional development.
- Payment of classification fees.

## Consultant Grade Renewal:

- Valid membership with the Authority.
- *Completion of 30 points of continuous professional development.
- Payment of classification fees.

*For more information, please refer to the Continuous Professional Development Guide.

Earn CPD points through approved training sessions, workshops, or other structured learning activities as specified in the CPD Guide:

- ***Associate Grade: 60 CPD points***
- ***Professional Grade: 40 CPD points***
- ***Consultant Grade: 30 CPD points***

# Third: Standards of acceptable experience for professional degrees:

1. The experience must be documented in the field of specialization and under the supervision of a professionally accredited person with a higher professional degree.
2. It must be in one of the main fields of engineering or architecture in which the applicant claims competence.
3. The experience must be of high quality, requiring the candidate to develop technical skills and initiative in applying engineering or architectural principles and solutions, and must be of a nature in which the candidate develops the ability to assume professional responsibility for the work.
4. Professional experience must cover various aspects of the field, including specialized technical skills, problem-solving, and collaboration with multidisciplinary teams.
5. Gaining experience in performing relatively simple tasks with less responsibility shall begin with achieving more complex work that involves higher levels of responsibility. As the level of complexity and responsibility increases, the candidate must demonstrate evidence of increased interest in and pursuit of understanding of issues and applications to broad engineering fields and continued efforts toward further development and professional advancement.
6. Practical experiences acquired by the applicant before obtaining a bachelor's degree are accepted if they are in the field of engineering/architectural specialization (years of experience are accepted for a maximum of two years, regardless of the number of years of experience before graduation, after evaluation of the experiences by the Professional Accreditation Committee).
7. One year of experience is calculated for those who hold a master's degree in their field of specialization.
8. Two years of experience are calculated for those who hold a doctorate degree in their field of specialization.

# Fourth: International classifications:

## 1. International engineering classifications:

The engineer must fulfill the requirements for registration with the Authority, and the engineer is classified according to the classification granted to him by his country if it is among the countries on the list of:

- International Professional Engineers Agreement (IPEA)-Table No. (5)
- European Federation of National Engineering Associations (FEANI)-Table No. (6)

Engineers from IPEA or FEANI countries are awarded the 'Professional Engineer' title upon passing the PE exam, adhering to Saudi local regulations.

- *Table No. (5): Members of the International Professional Engineers Agreement*

| Members of the International Professional Engineers Agreement | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | Australia | 5 | Hong Kong | 9 | Malaysia | 13 | Sri Lanka |
| 2 | Canada | 6 | India | 10 | New Zealand | 14 | United Kingdom |
| 3 | China | 7 | Japan | 11 | Singapore | 15 | United States of America |
| 4 | Ireland | 8 | Korea | 12 | South Africa | 16 | Pakistan |

## *Table No. (6): European Federation of National Engineering Associations (FEANI)*

| European Federation of National Engineering Associations (FEANI) | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | Australia | 9 | Finland | 17 | Malta | 25 | Serbia |
| 2 | Belgium | 10 | France | 18 | Holland | 26 | Slovakia |
| 3 | Bulgaria | 11 | Germany | 19 | Macedonia | 27 | Slovenia |
| 4 | Croatia | 12 | Greece | 20 | Norway | 28 | Spain |
| 5 | Cyprus | 13 | Iceland | 21 | Poland | 29 | Sweden |
| 6 | Czech Republic | 14 | Ireland | 22 | Portugal | 30 | Switzerland |
| 7 | Denmark | 15 | Italy | 23 | Romania | 31 | Turkey |
| 8 | Estonia | 16 | Kazakhstan | 24 | Russia | 32 | Ukraine |

## 2. International Architectural Classifications

Architects who meet the registration requirements of the Authority may be classified according to the licensing standards in their home country if it is among the countries listed below:

- Architectural Registration Board in the United Kingdom and the European Union (ARB UK & EU)-Table No. (7)
- National Council of Architectural Registration Boards in the USA (NCARB)-Table No. (8)

Architects from ARB UK & EU and NCARB-listed countries may achieve classification upon meeting the Authority's registration requirements and passing the PA exam.

## *Table No. (7): Architectural Registration Board (ARB)*

| Architectural Registration Board-ARB | |
|---|---|
| 1 | United Kingdom |
| 2 | All European Union Countries |

## *Table No. (8): National Council of Architectural Registration Boards (NCARB)*

| National Council of Architectural Registration Boards (NCARB) | |
|---|---|
| 1 | United States of America |
| 2 | Australia |
| 3 | New Zealand |
| 4 | Canada |
| 5 | Mexico |
| 6 | Member countries of the Asia-Pacific Economic Cooperation (APEC) |
| 7 | International Union of Architects |

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