



NPA

الأكاديمية الوطنية للطاقة
NATIONAL POWER ACADEMY



Powering The Future...

رؤية
2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

APPROVED BY



المؤسسة العامة للتدريب التقني والمهني
Technical and Vocational Training Corporation



صندوق تنمية الموارد البشرية
HUMAN RESOURCES DEVELOPMENT FUND

ACCREDITED BY

**7 International
& Local
Accreditations**

Vision

A world class leader in technical training and education for the kingdom's power sector

Mission

To transform the technical training landscape by:

Being an industry-led training academy

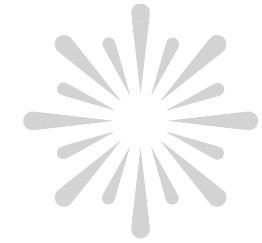
International accreditation and innovative training programs

Skilled resources with a focus on development of highly practical skills



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	Diploma Training Program	Associate Diploma Training Program	Professional Training Program	Short Courses/Certification Program	Upscaling /Engineer	Upscaling / Technicians
Description	Diploma Degree Core Streams	Associate Diploma Degree Core Streams	Specialized Certification	Short/Certification Courses	Develop Fresh Graduated Engineer & their career paths, giving them the tools, they need to advance professionally	Develop Fresh Graduated Technicians & their career paths, giving them the tools, they need to advance professionally
Intake focus	Sponsored High School Students	Sponsored High School Students	Experience professionals looking for additional Specialized Certification	Technical - Management Courses	Fresh Graduate Engineers 0 -4 Years	Fresh Graduate Technicians 0 -3 Years
Duration	2 Years + OJT	9 Months + OJT	+1 Month	1 Day - 1 Month	3 Months - 6 Months	2 Months - 6 Months

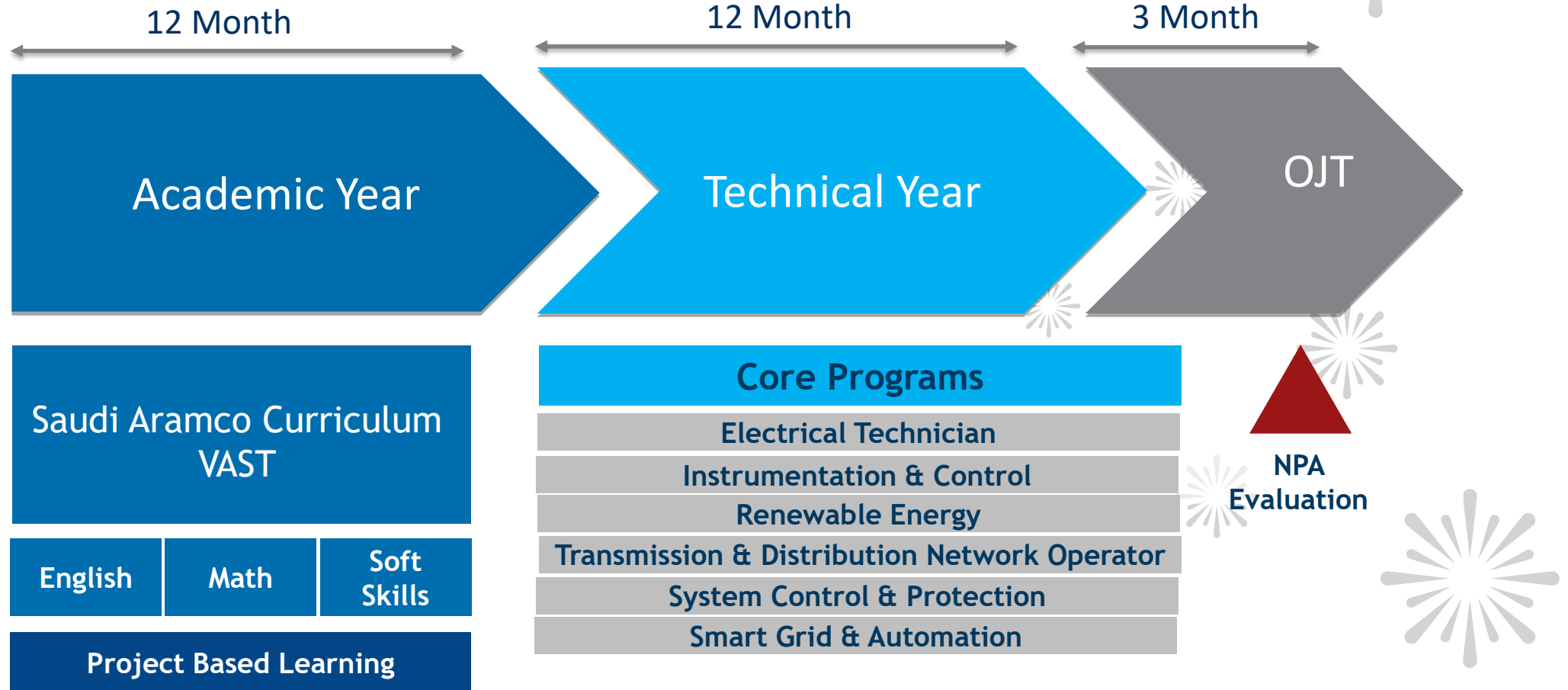




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Core Stream: Diploma

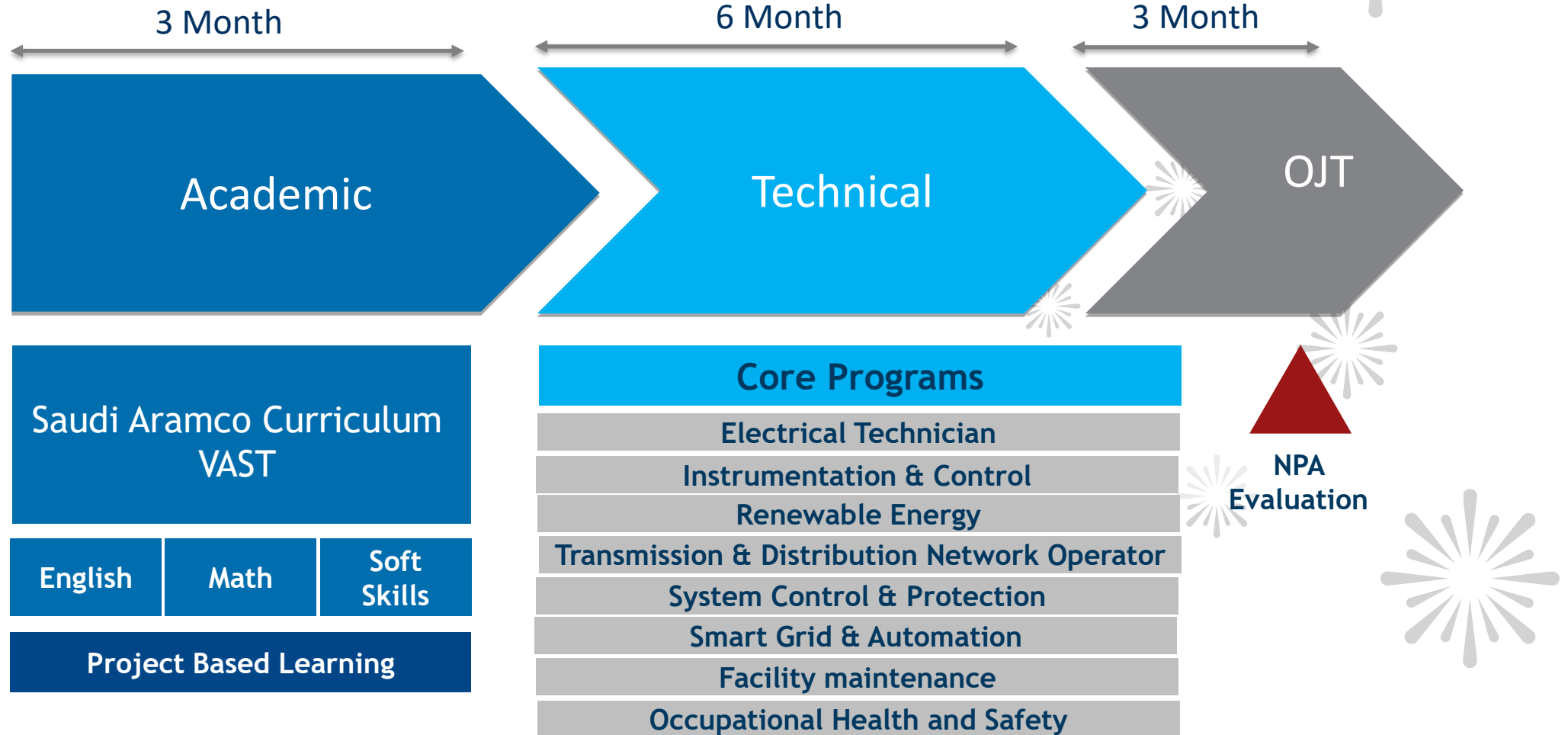




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Core Stream: Associate Diploma



NPA Core Stream (Diploma & Associate Diploma Program)

Electrical Technician

The objective of Electrical Technician program is to develop people with high capability as Electrician to work with the necessary expertise in electrical maintenance procedures.

Instrumentation & Control

The Objective of the program is to enrich the student with depth knowledge of process parameters (pressure, temperature, flow, levels etc.), metering of electrical power, its control and remote monitoring with SACADA, plc.

Renewable Energy

The objective of renewable energy program is to prepare students for field services technician careers in the renewable energy industry.

Transmission & Distribution Network Operation

The objective of the program is to provide students with the basic of electrical power system, generation, distribution and transmission, with a strong emphasis on system operations .

System Control & Protection

The Objective of the program is to prepares students to work with the necessary expertise in electric utility protective relaying maintenance procedures

Smart Grid & Automation

The Objective of the program is to provided a theoretical foundation in electricity and electronics, coupled with a working knowledge of power generation, transmission, and distribution of alternating current, and the inter-relationships that bind them into a coordinated power system.

New majors (Associate Diploma Program)

Facility maintenance Technician

The objective of Facility maintenance Technician program is to develop people with high capability as technician to work with the necessary expertise in facility maintenance procedures.

Occupational Health and Safety Technician

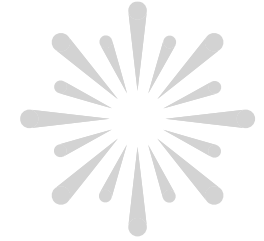
The Objective of the program is to enrich the student with depth knowledge of occupational health and safety.

New Technical specializations

1. Power electronics Technician
2. Quality control quality assurance
3. Power testing and commissioning
4. Energy Auditor
5. Electromechanics Technician
6. PV installer
7. Windmill Technician
8. Power storage Technician
9. Hydrogen Technician



Upscaling Program: Engineers



- An integral constituent of the company's continuous efforts towards improvement and development
- Upgrade the capabilities of fresh graduates and enable them to gain the hands-on experience they need to thrive in their careers
- Tailors and develop the career paths and give the clients the tools they need to advance professionally

Technical

- Process Technology
- Mechanical Engineering
- Piping and Pipeline Engineering
- Instrumentation and Control
- Civil Engineering
- Electrical Engineering
- Health and Safety

Supporting Functions

- Production Engineering
- QEHS Management Systems
- Procurement
- Techno-Economical Studies
- Information Technology
- Human Resources
- Finance

Management Functions

- Marketing and Business Development
- Management Skills
- Management Concepts and Techniques
- Project Management
- Project Controls

Upscaling Program: Technicians

After participating and completing the subject course the trainees shall be able to :

- 1- Understand the Basic of Power generation
- 2- Understand the Basic of Power Transmission
- 3- Understand the Basic of Power Distribution
- 4- Understand the Basic of automation
- 5- Understand the Basic of metering
- 6- Understand the Basic of safety (WPR & CAWQAP)
- 7- Have the basic information & practice of electrical troubleshooting & maintenance