



Vocabularios en  
educación argentina

# **International Standard Classification of Education : fields of education and training Engineering and engineering trades**

*lista alfabética*

UNESCO Institute of Statistics

The International Standard Classification of Education (ISCED) is a framework for assembling, compiling and analysing cross-nationally comparable statistics on education. ISCED Fields of Education and Training classifies education programmes and related qualifications by fields of study.

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URL: <https://vocabularios.educacion.gob.ar/admin/iscedf/>

## Referencias:

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TG: término superior

TE: término específico

UP: término no preferido

USE: use

TR: término relacionado

EX: Excluye

IN: Incluye

NA: nota de alcance

Metatérmino: es un término que agrupa otros términos, no debería utilizarse para la indización

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## Chemical engineering and processes USE 0711

Chemical engineering and processes is the study of planning, designing, and developing products and processes where chemical and physical changes occur. It includes designing chemical plants and control systems.

Programmes and qualifications with the following main content are classified here:

- Chemical engineering
- Chemical process engineering
- Laboratory technology
- Oil/gas/petrochemicals processing
- Plant and machine operation (processing)
- Process technology

## Electricidad y energía USE 0713

## Électricité et énergie Électronique et automatisation USE 0713

### Electricity and energy USE 0713

Electricity and energy is the study of installing, maintaining, repairing and diagnosing faults in electrical wiring and related equipment in domestic, commercial and industrial establishments.

Installation and maintenance of overhead and underground electrical power distribution networks is included. Energy is the study of energy generation.

Programmes and qualifications with the following main content are classified here:

- Air-conditioning trades
- Climate engineering
- Electrical appliances repairing
- Electrical engineering
- Electrical fitting
- Electrical power generation
- Electrical trades
- Energy studies
- Gas distribution
- Heating trades
- Nuclear, hydraulic and thermal energy

- Power line installation and maintenance
- Power production
- Refrigeration
- Solar power
- Wind turbines

## Electrónica y automatización USE 0714

### Electronics and automation USE 0714

Electronics and automation is the study of planning, designing, developing maintaining and monitoring electronic equipment, machinery and systems. It includes designing computers and equipment for communication.

Programmes and qualifications with the following main content are classified here:

- Broadcasting electronics
- Communication systems
- Communications equipment installation
- Communications equipment maintenance
- Computer engineering
- Computer repairing
- Control engineering
- Data processing technology
- Digital technology
- Electronic
- Electronic equipment servicing
- Network technology
- Robotics
- Telecommunications technology
- Television and radio repairing

## Électronique et automatisation USE 0714

### Engineering and engineering trades not elsewhere classified USE 0719

Engineering studies not covered by other detailed fields are classified here:

- Nanotechnology

## Environmental protection technology USE 0712

Environmental protection technology is the study of processes in order to minimise discharge and waste and avoid pollution. It includes programmes dealing with control of water, air, soil etc.

Programmes and qualifications with the following main content are classified here:

Air pollution control  
Ecological technology  
Energy efficiency  
Environmental engineering  
Industrial discharge control  
Noise pollution control  
Recycling  
Water pollution control

## Ingeniería y procesos químicos USE 0711

## Ingénierie chimique et processus USE 0711

## Ingénierie et techniques apparentées non classées ailleurs USE 0719

## Mecánica y profesiones afines a la metalistería USE 0715

## Mécanique et techniques apparentées USE 0715

## Mechanics and metal trades USE 0715

Mechanics and metal trades is the study of planning, designing, developing, producing, maintaining and monitoring machines, mechanical plants and systems and metal products. It includes designing and maintaining machines which produce goods and services. The focus of study in this detailed field is machines, mechanical systems and metal products.

Programmes and qualifications with the following main content are classified here:

Gunsmithing

Hydraulics  
Locksmithing and safe repairing  
Mechanical engineering  
Mechanical trades  
Metal casting and patternmaking  
Metal fitting, turning and machining  
Metallurgical engineering  
Precision mechanics  
Sheet metal working  
Steel production  
Tool and die making  
Welding

## Motor vehicles, ships and aircraft USE 0716

Motor vehicles, ships and aircraft is the study of designing, developing, producing, maintaining, diagnosing faults in, repairing and servicing motor vehicles, including earth moving equipment and agriculture machines, ships, trains and aircraft. Typical is the combination of studies in both metal structures and motors.

Programmes and qualifications with the following main content are classified here:

Aerospace engineering  
Aircraft engineering  
Aircraft maintenance  
Automotive electrical systems  
Automotive engineering  
Avionics  
Coachwork  
Marine engineering  
Motorcycle engineering  
Panel beating  
Shipbuilding  
Train repair and maintenance  
Vehicle building and repairing  
Vehicle varnishing/spraying

## Technologie de la protection de l'environnement USE 0712

## Tecnología de protección del medio ambiente USE 0712

Véhicules à moteur, bateaux et  
aéronefs USE 0716

Vehículos, barcos y aeronaves  
motorizadas USE 0716