

# Turbomachines à gaz



Component  
École Nationale  
Supérieure  
d'Électrotechnique  
d'Électronique

In brief

> **Code:** N8EM06B

## Presentation

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### Objectives

This course is designed to familiarize the student with the operation of gas turbine engines (turbines, compressors, fans) and their dimensioning (drawing of blades, similarity ...)

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### Description

- Conservation of energy and momentum
- Operation of turbomachines (axial machines, radial machines)
- The centrifugal compressor
- The axial turbine
- Similarity and returns
- Efforts on the blades