# 本格研究と技術経営

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### An Example (mechanical engineering)

#### Theories for machines

Theories of Fluid dynamics, Thermodynamics, Mechanics, Strength of material,---

#### Experiments on mechanical phenomena

Experiments of Fluid dynamics, Thermodynamics, Mechanics, Strength of materials,---

#### **Practice of machines**

Practice of Design, Manufacturing, Maintenance,--of machines

Specific scientific and empirical knowledge for machines <sup>18</sup>











## **Comparison between Curricula Traditional and Inverse**

	Education in University	Learning on Jobs
Domain-specified curriculum (traditional)	Deep and specialized knowledge of a domain plus limited experience of synthesis	Method of synthesis
General-methodical curriculum (inverse)	General method of synthesis plus basic knowledge of multiple domains	Deep and specialized knowledge of a domain







