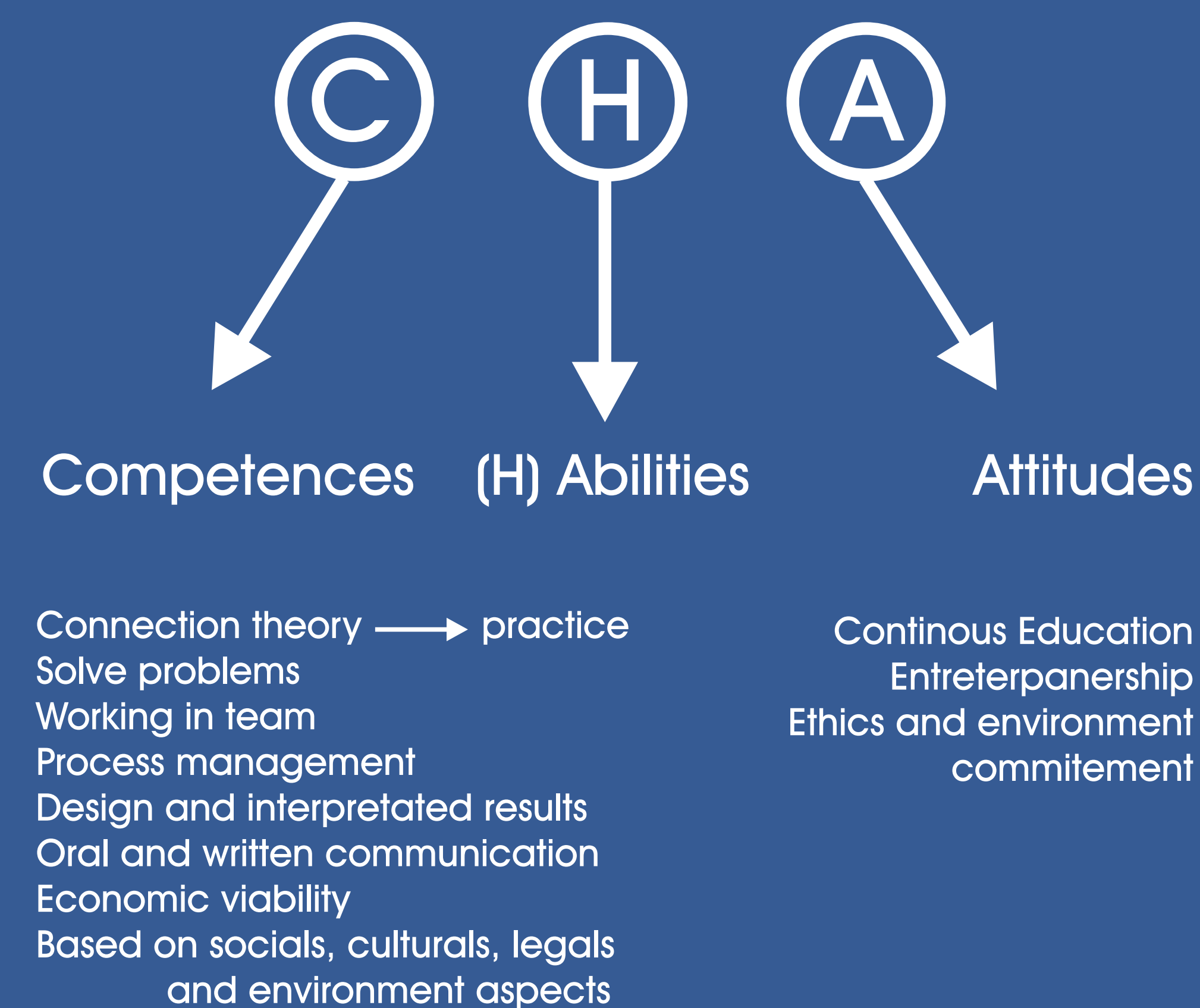


## ENGINEER PROFILE

### CURRICULUM BASED ON SKILLS



### CURRICULUM STRUCTURE

#### CONTENTS

BASICS CONTENTS (30%)  
Fundamentals sciences

PROFESSIONALS CONTENTS (15%)  
Engineering formation

SPECIFICS CONTENTS  
Engineering modalities

#### CURRICULUM PRACTICES

Obligatory  
Under supervision

#### FINAL WORK

Obligatory  
Synthesis and integration  
Under orientation

# THE NEW AIMS FOR BRAZILIAN CURRICULUMS IN ENGINEERING COURSES

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## NEW WORLD SCENERY - NEW ENGINEER

ENGINEERING LEARNING  
NEW CURRICULUMS PROJECTS

# BRAZIL

1996: NEW FEDERAL LAW FOR EDUCATION

2002: NEW GUIDELINES CURRICULUM FOR ENGINEERING

BASED ON SKILLS

## THE CURRICULUM, based on

1. Learning experiences
2. Incorporated by the student during participative process
3. Fundamented on an integrated learning program

A new design for curriculum structure  
Innovators experiences

## THE PROPOSAL

LEARNING PROCESS  
PROFESSOR  
> HOURS



STUDENT LEARNING  
CENTERED ON THE STUDENT  
< HOURS

## CHALLENGES

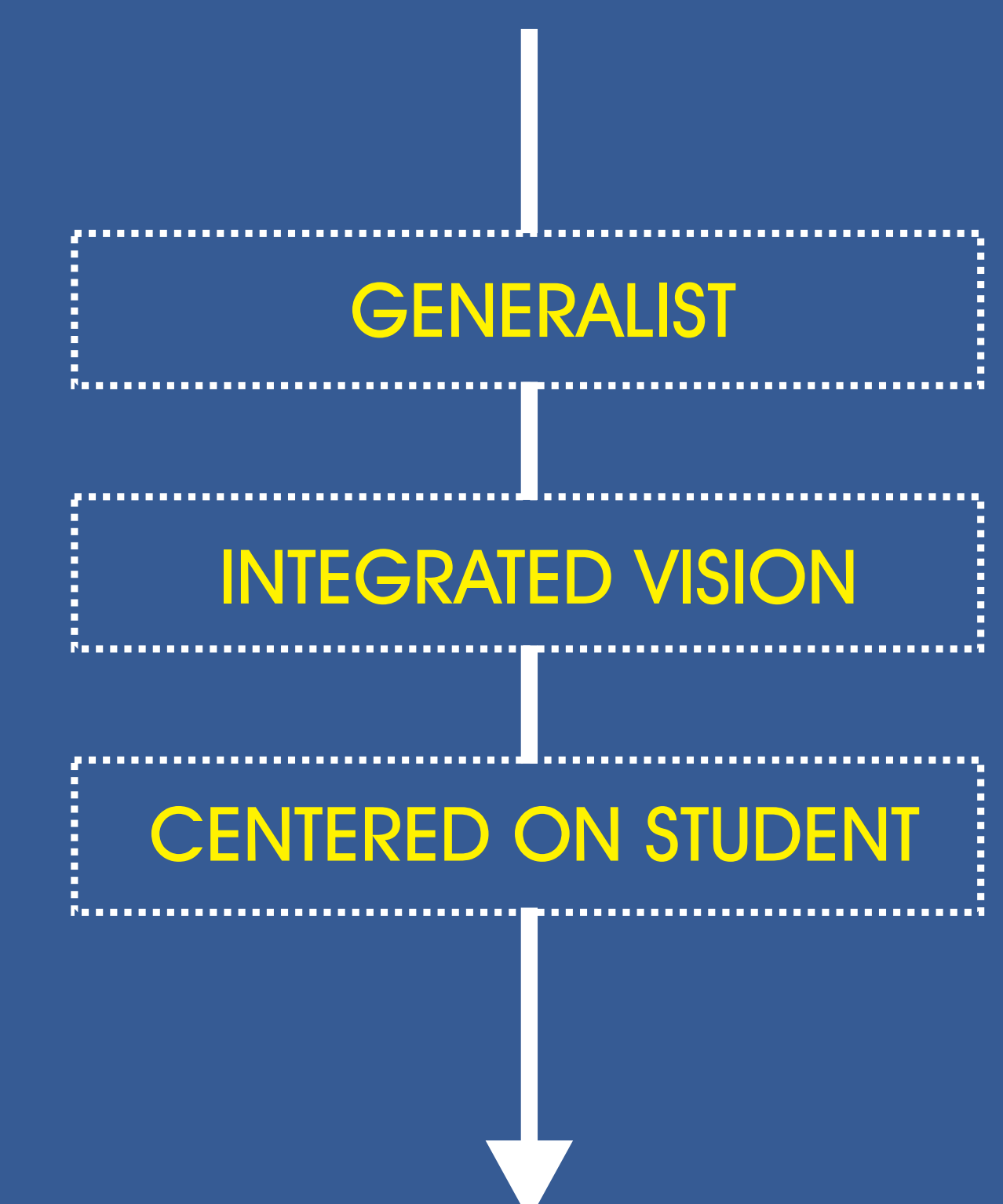
### INNOVATORS CURRICULUM STRUCTURES

Integrated and systemic vision  
Focus in ideas and creativity

### PEDAGOGICAL APPROACH

Centered on the student  
Professors tutorial activities  
Multidisciplinarity  
Based on results → profile

### CURRICULUM DESIGN



Professional disciplines since  
the beginning levels  
Integration and conclusion works  
Orientated activities  
Out classroom activities  
Complementary activities  
Optional disciplines  
Changing professor's posture  
Participative posture