Institutional Modernization Project - Unisinos (PIM)

Brazil-USA Program of Modernization of Undergraduate College Education

(PMG - USA)
Continuous improvement of the teaching process

Deepening of experiences in the ecosystem UNISINOS

Curricular practices closer to the challenges of work

INTEGRATION: Teaching Search Extension

Brazil - USA Program of Modernization of Undergraduate College Education (PMG - USA)

Institutional Modernization Project (PIM)

Civil Engineering and Environmental Engineering
Real Estate Agencies

Higher Education Personnel Improvement Coordination (CAPES)

Commission for Educational Exchange between the United States and Brazil (Fulbright)
GENERAL GOAL

Implement a new flexible and personalized Undergraduate College Education Model, which goes beyond the disciplinary vision and the limits of the classroom in a continuous training path integrated with reality.
SPECIFIC GOALS

Expand the partnership with companies in the productive sector, also bringing classroom practices closer to the UNISINOS Technological Institutes;

Create a space for the integration of projects that encourage the generation of ideas, proposing solutions to problems and entrepreneurial actions;

Develop a virtual environment that allows the construction and individualized monitoring of each student's portfolio;

Strengthen and broaden relations with American institutions for the exchange of students and teachers, in addition to implementing dual degrees;

To manage the implementation of the new curriculum, in order to guarantee the development of the skills necessary for the performance of the egress in a constantly changing professional context.
Multidisciplinary teams for the elaboration and execution of plans, programs and management projects.

Academic activities of vocational training, potentials of integrated practices.

Civil Engineering

RELATIONSHIP

Environmental Engineering

Basic training contents

Waste management; design, plan and monitor water systems, water treatment, sewage and industrial effluents; reduce environmental impacts.

RELATIONSHIP
A new model for student development
Support the constitution of a professional way of being, permeated by the institutional values of the University.

Provide a solid and committed formation with the local community.

Be designed to meet the challenges of training the professionals of the future.

Propose that students customize their academic journey according to their interests.
Trajectory of the student throughout the curriculum, which aligns personal and professional skills, through practical experiences of the chosen career.

A flexible undergraduate course model to build a path more connected to its purpose.
Undergraduate College
Academic Activities

Ways of Learning
- Group experiences
- Project development
- Experience in laboratories
- Practical experiences of the profession
- Construction of purpose

Professional of the Future
Development of transversal competences: communication, entrepreneurship, problem solving, creativity, etc.

Progressive Certifications
Recognizes the skills of a set of Academic Activities that make up the course curriculum

Training Tracks
- Entrepreneurship: Designing an Innovative Business
- Social Innovation: Social project realization
- Internationalization: International insertion
- Master: Accomplishment academic activities of the master's program
- Course Specific: Strengthening of competences (course area or free choice)
METHODS OF TEACHING AND LEARNING

Collaborative spaces of knowledge construction (within the course and between different courses)

Construction and development of partnerships with diverse contexts of professional activity

Exploration of distinct learning spaces (virtual and face-to-face, academic and professional)

Development of a critical, investigative, entrepreneurial, proactive and collaborative stance

Proposition of collaborative projects of investigative learning with proposal of real solutions
EXECUTION

Duration of the project: 8 years

Curriculum Improvement, Methods and Management

Work missions will be held in the United States, for the development of cooperation activities in engineering education

Teachers working in engineering education in the USA should come to Brazil to conduct courses, trainings, lectures or seminars, in technical visits

The project counts on the collaboration of Assistants for its implementation, and among its activities are also planned short trips to the USA