COMPARISON

UADY VS UNIDEH
SOFTWARE ENGINEERING

UADY
UNIVERSIDAD AUTÓNOMA DE YUCATÁN

UNIDEH
UNIVERSIDAD DIGITAL DEL ESTADO DE HIDALGO

GOALS

UADY's study plan includes software engineering innovation as one of its graduation competencies, something that UNIDEH's plan doesn't.

UNIDEH'S study plan mentions the types of companies or institutions in which graduates will be able to work; this information cannot be found in UADY'S.

Both institutions agree that the student must be competent in: developing software products, maintaining software products and knowing how to manage software processes.

COMPETENCIES

In **UADY'S** study plan, we can find the following competencies: Software Development, Software Maintenance, Software Process Management and Innovation in Software Engineering.

In **UNIDEH'S** study plan, we can find the following competencies: formulate software products, build reliable systems for quality standards, optimize time with collaborative work.

UADY'S study plan is based in a traditional and agile methodology for software estructure, meanwhile, **UNIDEH's** plan focuses on programming, databases and software design.
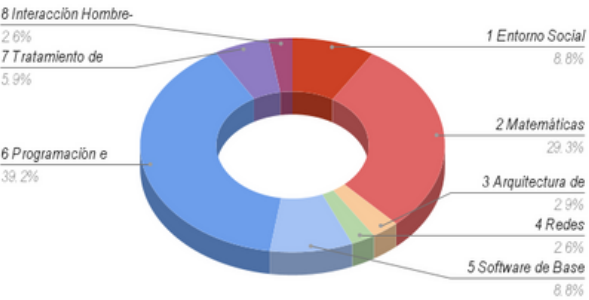
COMPETENCIES ACTIVITIES

Software development: programming a system using methodologies.
Maintenance: adding improvements to existing applications.
Administration: managing projects for a software company.
Innovation: researching new technologies and implementing them in projects.

Software development: working for a company abroad
Software innovation: joining a local SME to improve experiences
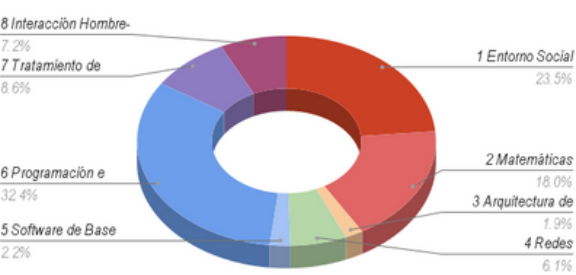**Entrepreneurship:** creating a company that offers remote technical support

Both are very similar, however, **UNIDEH** has more in mind the idea of helping you start your own business

PROGRAM COMPLIANCE

Créditos/Horas (UADY)
8 Interacción Hombre- 2.6%
7 Tratamiento de 5.9%
1 Entorno Social 8.8%
2 Matemáticas 29.3%
3 Arquitectura de 2.9%
4 Redes 1.9%
5 Software de Base 8.8%
6 Programación e 39.2%

Horas (UNIDEH)
8 Interacción Hombre- 7.2%
7 Tratamiento de 8.6%
1 Entorno Social 23.5%
2 Matemáticas 18.0%
3 Arquitectura de 1.9%
4 Redes 6.1%
5 Software de Base 2.2%
6 Programación e 32.4%

SOFT SKILLS

UADY promotes soft skills like teamwork, making decisions, conflict resolution, leadership, initiative and social resposibility by several activities for the students.

UNIDEH promotes soft skills such as collaborative work, leadership and business vision, communication and negotiation.

UADY's goal is to prepare socially responsible engineers, focusing on ethics, teamwork and innovation. Meanwhile, **UNIDEH** trains engineers with empresarial and negotiation skills for projects and business management.

OPPORTUNITY AREAS / DISADVANTAGES

UADY's advantages are a solid foundation in mathematics, computer architecture, data science, and a humanistic approach. Its main disadvantage is its lack of courses focused on modern development methodologies.

UNIDEH's advantage is its focus on entrepreneurship and business leadership. However, its main area for improvement lies in strengthening the mathematical foundations necessary for in-depth analysis, according to ANIEI and ACM/IEEE.

UADY is stronger academically/technically, while **UNIDEH** is stronger in leadership and entrepreneurship, but each has a gap that complements the other.