

Deutsch-argentinisches Programm zur Förderung binationaler Studiengänge mit Doppelabschluss

Industrial Informatics- Specialization *Industrial Cyber-Physical Systems*

Dónde están Emden y Santa Fe?

Where are Emden and Santa Fe?

Wo sind Emden und Santa Fe

ENGLISH

Spanish

German



- Maximum 3 students per year of the degree course Master in Industrial Informatics, Hochschule Emden/Leer
- Semester 1 done in Germany
- Semester 2 to be done in Argentina
- Semester 3 to be done in Emden (Master Thesis)
- Language of Instruction in Argentina: English
- Prerequisites: Spanish language, at least A1 before departure
- Students get a fellowship covering:
 - 1.500 Euro travel grant and
 - 1.075 Euro per month for subsistence expenses during (maximum) one semester (6 months) in Argentina
- Exchange of teachers and staff is financed as well



www.hs-emden-leer.de/sl/arg-bi-ma

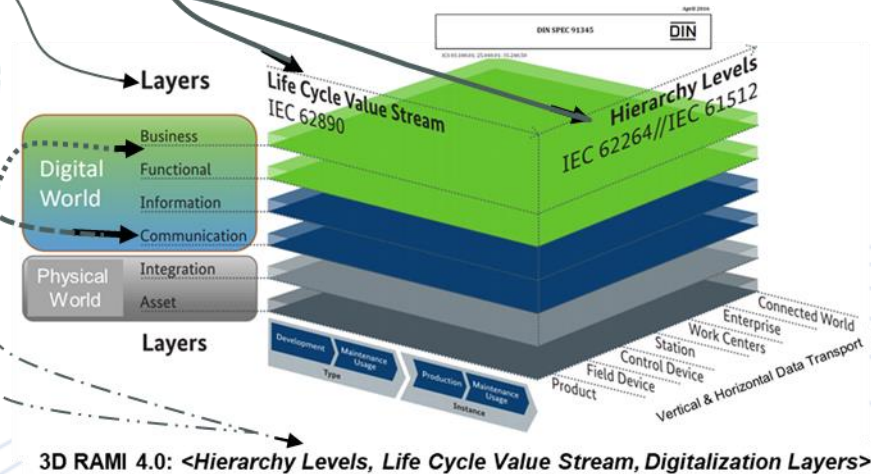
Proyecto Master Bi-National II-ICPS

Concepto para la integración de currículas de la HSE/L y la UTN-FRSF (i)

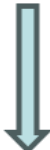
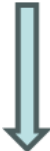
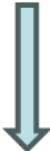
Binational-Master Curriculum Denomination of Modules at the UTN-FRSF and at the HSEL

Plan de estudio / Studienplan		HSEL	UTN-FRSF
Semestre 1		Créditos	Horas
Semester 1 (an der Heimathochschule)		Credits	Stunden
UTN-FRSF: Digitalización de Sistemas Físico-Cibernéticos Industriales	HSEL: Digitalization Engineering	5	60
UTN-FRSF: Modelos de Organizaciones y Sistemas Físico-Cibernéticos Industriales	HSEL: Industrial Cyber-Physical Systems	5	60
UTN-FRSF: Tecnologías para la Integración de Datos Industriales	HSEL: Industrial Internet of Things	5	60
UTN-FRSF: Metodología de la Investigación (*)	HSEL: Optative 1 (*)	5	60
UTN-FRSF: Proyecto 1	HSEL: Group Project	10	120
Semestre 2		Créditos	Horas
Semester 2 (an der Gasthochschule)		Credits	Stunden
UTN-FRSF: Minería en Grandes Volúmenes de Datos	HSEL: Data Science and Analytics	5	60
UTN-FRSF: Ingeniería de Sistemas Físico-Cibernéticos Industriales	HSEL: Mathematical Modelling of ICPS	5	60
UTN-FRSF: Sistemas Robóticos	HSEL: Robotic Systems	5	60
UTN-FRSF: Motivación para el Cambio (Investigación + Desarrollo + Innovación) (*)	HSEL: Optative 2 (*)	5	60
UTN-FRSF: Proyecto 2	HSEL: Peer Project	10	120
Semestre 3		Créditos	Horas
Semester 3 (an der Heimathochschule)		Credits	Stunden
UTN-FRSF: Tutoría, actividades de investigación y desarrollo de tesis	HSEL: Master's Thesis	30	360

Formal mapping of "obligatory" Binational-Master-Modules of the 1st two semesters into the DIN SPEC 91345 (RAMI 4.0)



Concepto para la integración de currículas de la HSEL/L y la UTN-FRSF (ii)

Plan de estudio / Studienplan		HSEL	UTN-FRSF
 Study Path for a HSEL-Student 	Semestre 1 Semester 1 (an der Heimathochschule)	Créditos Credits	Horas Stunden
	UTN-FRSF: Digitalización de Sistemas Físico-Cibernéticos Industriales HSEL: Digitalization Engineering	5	60
	UTN-FRSF: Modelos de Organizaciones y Sistemas Físico-Cibernéticos Industriales HSEL: Industrial Cyber-Physical Systems	5	60
	UTN-FRSF: Tecnologías para la Integración de Datos Industriales HSEL: Industrial Internet of Things	5	60
	UTN-FRSF: Metodología de la Investigación (*) HSEL: Optative 1 (*)	5	60
	UTN-FRSF: Proyecto 1 HSEL: Group Project	10	120
 Study Path for a HSEL-Student 	Semestre 2 Semester 2 (an der Gasthochschule)	Créditos Credits	Horas Stunden
	UTN-FRSF: Minería en Grandes Volúmenes de Datos HSEL: Data Science and Analytics	5	60
	UTN-FRSF: Ingeniería de Sistemas Físico-Cibernéticos Industriales HSEL: Mathematical Modelling of ICPS	5	60
	UTN-FRSF: Sistemas Robóticos HSEL: Robotic Systems	5	60
	UTN-FRSF: Motivación para el Cambio (Investigación + Desarrollo + Innovación) (*) HSEL: Optative 2 (*)	5	60
	UTN-FRSF: Proyecto 2 HSEL Peer Project	10	120
 Study Path for a HSEL-Student 	Semestre 3 Semester 3 (an der Heimathochschule)	Créditos Credits	Horas Stunden
	UTN-FRSF: Tutoría, actividades de investigación y desarrollo de tesis HSEL: Master's Thesis	30	360

Participating students



From HSEL:

- 2 students starting in March 23
- 2 students starting in August 23
- 1 student started in August 24
(now in Argentina)



From UTN:

- 1 student starting in March 22
- 3 students starting in March 23
- 2 students starting in March 24
- 2 students started in September 24
(now in Germany)

Contact at HSEL

If YOU are interested in participating from Summer Semester 2025 on,
please contact until October 15th, 2024

On Faculty Level

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International Office

Andrea Meyenburg, Head

Tel. 04921 807 1375

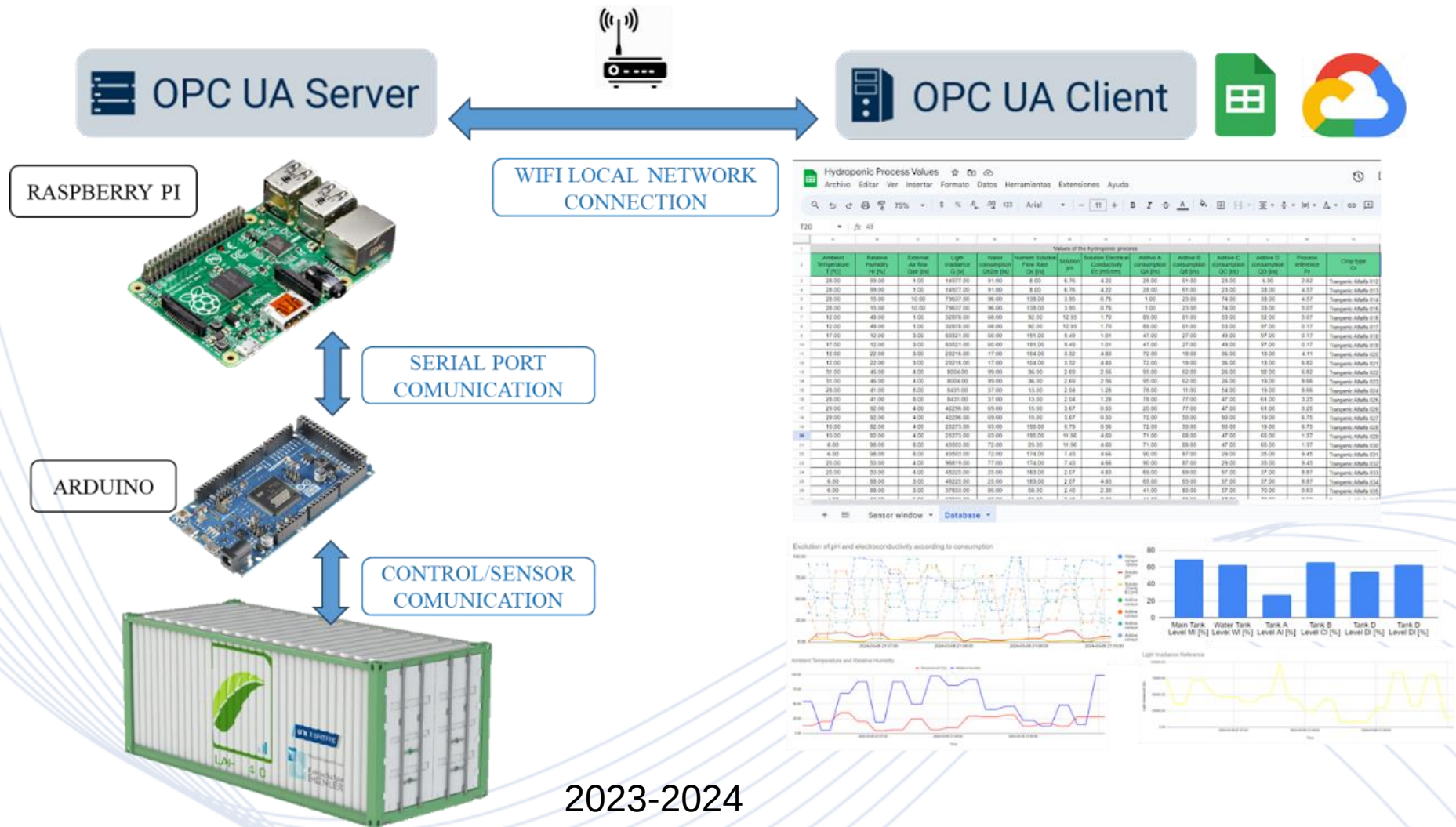
Andrea.Meyenburg@hs-emden-leer.de

Some impressions from March 2024



Industry 4.0-compliant Digitalization Process for Supporting a Circular Economy

Autonomous Hydroponic Laboratory (AHL) Development of a I4.0-compliant Hydroponic Component.



2023-2024

Source: HSEL/UTN – MII/Master Thesis “Agustín Mattei. 2024”