

# Deutsch-argentinisches Programm zur Förderung binationaler Studiengänge mit Doppelabschluss

## Industrial Informatics- Spezialisierung Industrial Cyber-Physical Systems

# Dónde están Emden y Santa Fe?



## Some practical information about the program

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- Maximum 3 students per year of the degree course Master in Industrial Informatics/specialisation Industrial Cyber Physical Systems
- Semester 2 in Argentina, semester 3 in Emden (Master Thesis)
- Language of Instruction in Argentina: English
- Prerequisites: Spanish language, at least A1 before departure
- Students get 1.500 Euro travel grant and 1.075 Euro per month for subsistence expenses
- Exchange of teachers and staff is financed as well
- [www.hs-emden-leer.de/sl/arg-bi-ma](http://www.hs-emden-leer.de/sl/arg-bi-ma)



### Course of Studies: Master Industrial Informatics

#### Specialization: Industrial Cyber-Physical Systems (English)

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Master's Thesis 30 CP				
Robotic Systems 5 CP	Engineering ICPS 5 CP	Analytics & Mathematics 5 CP	Compulsory Optional Subject 2 5 CP	MII-Project 2 10 CP
Industrial Cyber-Physical Systems 5 CP	Digitalization & Virtualization of ICPS 5 CP	Industrial Data Transport Technologies 5 CP	Compulsory Optional Subject 1 5 CP	MII-Project 1 10 CP

#### Compulsory Optional Subjects

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Digital Economy & Society 5 CP	<i>Offering from external international university 5 CP</i>	<i>Offering from external international university 5 CP</i>	Industrielle Bildverarbeitung ) 5 CP	Hardware-Entwurf für Cyber-Physical Systems *) 5 CP
Innovation Management 5 CP	<i>Offering from external international university 5 CP</i>	<i>Offering from external international university 5 CP</i>	Mathematik in der Robotik *) 5 CP	Digitale Signalverarbeitung ) 5 CP

\*) language requirements German B2 or equivalent



# Proyecto Master Bi-National II-ICPS

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

Study-Path for a HSE/L Student

Die folgende Tabelle zeigt den Studienplan in jedem Semester und ihre jeweiligen Credits an der HSE / L und Stunden an der UTN-FRSF:

Study-Path for a UTN-FRSF Student

Studienplan	HSE/L-I2AR	UTN-FRSF
<b>Semester 1 (an der Heimathochschule)</b>	<b>Credits</b>	<b>Stunden</b>
Sistemas Robóticos (Robotic Systems)	5	60
Ingeniería de Sistemas Físico-Cibernéticos Industriales (Engineering ICPS)	5	60
Minería en Grandes Volúmenes de Datos (Analytics and Mathematics)	5	60
Motivación para el Cambio (Investigación + Desarrollo + Innovación) (Digital Economy & Society)	5	60
Proyecto 1 (MII-Project 1 or 2)	10	120
<b>Semester 2 (an der ausländischen Hochschule)</b>	<b>Credits</b>	<b>Stunden</b>
Modelos de Organizaciones y Sistemas Físico-Cibernéticos Industriales (Industrial Cyber-Physical Systems)	5	60
Digitalización de Sistemas Físico-Cibernéticos Industriales (Digitalization of Industrial Cyber-Physical Systems)	5	60
Tecnologías para la integración de datos industriales (Industrial Data Transport Technologies)	5	60
Metodología de la Investigación (Innovation Management)	5	60
Proyecto 2 (MII-Project 1 oder 2)	10	120
Tutoría, actividades de investigación, y desarrollo de tesis (Master Thesis)	30	360

Complementary alternative

3<sup>rd</sup> Semester

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3<sup>rd</sup> Semester

# Participating students

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From HSEL:

- 2 students starting in March 23
- 2 students starting in August 23



From UTN:

- 1 student starting in March 22
- 3 students starting in March 23
- 2 students starting in March 24

# Contact at HSEL

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If YOU are interested in participating from Winter Semester 2024 on,  
please contact until April 20th, 2024

On Faculty level

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# Some impressions from March 2024





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