

## 9. B.S. in Robotics and Digital Systems Engineering (“Ingeniero en Robótica y Sistemas Digitales”) - IRS - Edition 2019

### 9.1 GENERAL

TECNOLÓGICO DE MONTERREY will provide sufficient academic credits for DHIK students to pursue studies toward obtaining the Bachelor Degree at TECNOLÓGICO DE MONTERREY and transfer credits to count as part of Year 3 (three) of the DHIK Member Bachelor's degree. A guide towards the courses offered at TECNOLÓGICO DE MONTERREY and accreditation inside DHIK member is shown below:

#### Applicable for the following universities:

1. Technische Hochschule Nürnberg
2. Hochschule für Technik und Wirtschaft des Saarlandes
3. Hochschule Zittau/Görlitz

Tecnologico de Monterrey			DHIK		
B.S. in Robotics and Digital Systems Engineering			B.Eng. Elektro- und Informationstechnik		
Code	Course Name	Credits	Code	Course Name	ECTS
			Possible accreditation		
1. Semester			1. Semester		
EG1005	Elective Course Ethics and Citizenship	3	E25xx	Wahlmodul	5
MR2002B	Analysis of Control Systems	4	E2502	Systemtheorie und Regelungstechnik 2	5
TC2036	Implementation of Secure Networks	2	E2511	Informationstechnik und -systeme 2	5
TE2004B	Design of Advanced Embedded Systems	8	E2509	Microcontroller Programmierung	5
			E25xx	Wahlmodul	5
TE2046	Analysis of Signals and Systems	1	E2510	Digitale Signalverarbeitung	5
2. Semester Industry Internship			2. Semester		
OP3091	Professional Elective I	3		Internship	30
OP3092	Professional Elective II	3			
OP3093	Professional Elective III	3			
OP3094	Professional Elective IV	3			
OP3095	Professional Elective V	3			
OP3096	Professional Elective VI	3			
<b>Total</b>		<b>36</b>	<b>Total</b>		<b>60</b>