

## 4. B.S. in Electronics Engineering (“Ingeniero en Electrónica”) - IE - Edition 2019

### 4.1 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 Electronics 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	3..6
TC2009B	Design Based on Microcontrollers and Computational Architecture	4	E2501	Mikrocontroller und Anwendungen 1	4
TC2039	Development of digital systems	1	E2510	Digitale Signalverarbeitung	5
TE2008B	Evaluation of Electronic Devices	4	E2611	Anwendungsspezifische integrierte Schaltungen	3
TE2009B	Foundation of Electronic Control Systems and Devices	4	E2401	Elektronik 2	7
TE2046	Analysis of Signals and Systems	1	E2405	Signal- und Systemtheorie	5
TE2050	Design of Electronic Circuits	1	E2609	Design Digitale Übertragungssysteme	4
	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			
	Total	36		Total	60