

### 3. B.S. in Computer Science and Technology (“Ingeniero en Tecnologías Computacionales”) - ITC - Edition 2019

#### 2.1 Fachhochschule Kiel

TECNOLÓGICO DE MONTERREY will provide sufficient academic credits for Fachhochschule Kiel 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 Fachhochschule Kiel Bachelor's degree. A guide towards the courses offered at TECNOLÓGICO DE MONTERREY and accreditation inside Fachhochschule Kiel is shown below:

Tecnologico de Monterrey			Fachhochschule Kiel		
B.S. in Computer Science and Technology			Engineering And Management (B.Eng.)		
Code	Course or Formative Unit	Credits	Code	Course	ECTS
First Semester				Possible accreditation	
TC2007B	Integration of Computer Security in Networks and Software Systems	8	BI127	Sicherheit in Netzwerken	5
			SEG	Software Engineering	5
			GPM	Grundlagen Projektmanagement	2,5
TC2008B	Modeling of Multi-Agent Systems with Computer Graphics	4	BI102	Künstliche Intelligenz	5
TC2038	Analysis and Design of Advanced Algorithms	3	WM	Wahlmodul	5
TC2037	Computational Methods Implementation	3	WM	Wahlmodul	5
			WIA	Academic Studies	2.5
Second Semester					
OP3091	Professional Elective I	3		Praxisphase / Work Experience Phase	12.5
OP3092	Professional Elective II	3		Bachelor-Abschlussarbeit / Bachelor-Thesis	12
OP3093	Professional Elective III	3		Bachelor-Kolloquium / Oral Examination	3
OP3094	Professional Elective IV	3	WIA	Academic Studies	2.5
OP3095	Professional Elective V	3			
OP3096	Professional Elective VI	3			
	<b>TOTAL</b>	<b>36</b>		<b>TOTAL</b>	<b>60</b>

## 2.2 Hochschule für Technik und Wirtschaft des Saarlandes

TECNOLÓGICO DE MONTERREY will provide sufficient academic credits for Fachhochschule Kiel 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 Hochschule für Technik und Wirtschaft des Saarlandes Bachelor's degree. A guide towards the courses offered at TECNOLÓGICO DE MONTERREY and accreditation inside Hochschule für Technik und Wirtschaft des Saarlandes is shown below:

Tecnologico de Monterrey B.S. in Computer Science and Technology			Praktische Informatik/Kommunikationsinformatik (Bachelor of Science) Applied CS		
Code	ECTS	ECTS	Code	Course	Credits
Choose courses equivalent to 18 credits			Possible accreditation		
TC2007B	Integration of Computer Security in Networks and Software Systems	8	PIB-PA	Projektarbeit	5
			PIB-SE	Security Engineering	5
				elective	5
TC2008B	Modeling of Multi-Agent Systems with Computer Graphics	4		elective	5
TC2038	Analysis and Design of Advanced Algorithms	3		elective	5
TC2037	Computer Methods Implementation	3		Functional Programming	5
TC1004B	Internet of Things Implementation	6		IoT-Anwendungen	5
				Wissenschaftliches Arbeiten	5
Second semester			Second semester		
OP3091	Professional Elective I	3	PIB-PRA	Praxisphase	15
OP3092	Professional Elective II	3	PIB-BT	Bachelor-Abschlussarbeit	12
OP3093	Professional Elective III	3	PIB-BK	Bachelor-Kolloquium	3
OP3094	Professional Elective IV	3			
OP3095	Professional Elective V	3			
OP3096	Professional Elective VI	3			
	TOTAL	36		TOTAL	60