

7. B.S. in Mechanical Engineering (“Ingeniero Mecánico”) - IM - Edition 2019

7.1 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. Fachhochschule Aachen
2. Hochschule Aalen
3. Hochschule Bingen
4. Hochschule Bochum
5. Technische Hochschule Brandenburg
6. Hochschule Esslingen
7. Technische Hochschule Ingolstadt
8. Fachhochschule Kiel
9. Technische Hochschule Köln
10. Hochschule Mannheim
11. Hochschule Niederrhein
12. Technische Hochschule Nürnberg
13. Hochschule für Technik und Wirtschaft des Saarlandes
14. Westsächsische Hochschule Zwickau

| Tecnologico de Monterrey | | | DHIK | | |
|--------------------------------|---|-----------|---------------------------------|------------------------------------|-----------|
| B.S. in Mechanical Engineering | | | Mechanical Engineering (B.ENG.) | | |
| Code | Code | Code | Code | Course | ECTS |
| Possible accreditation | | | | | |
| EG1005 | Elective Course Ethics and Citizenship | 3 | | Ethics/Citizenship | 5 |
| M2004B | Design of Mechanisms | 8 | | Mechanism Design | 5 |
| M2005B | Design of Thermo Fluidic Systems | 4 | | Thermodynamics Engineering | 5 |
| M2036 | Fundamentals of Fluid Mechanics | 1 | | Fluid Mechanics | 5 |
| M2037 | Analysis of Energy Transformation Processes | 1 | | Thermodynamics | 5 |
| M2038 | Basis and Modeling of Heat Transfer | 1 | | Heat Transfer | 5 |
| Second semester | | | | | |
| OP3091 | Professional Elective I | 3 | | Internship and/or courses + thesis | 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 |