COMPUTER SCIENCE ENGINEERING MSC

1. semester

| Mathematics and information theory for engineers INMMA0102-17 | Introduction the new network communication technologies INMMA0101-21 | System security techniques and solutions INMMA0103-21 | Performance Evaluation of Infocommunication Networks INMMA0104-17 | System architectures INMMA0105-21 | Machine learning for engineers INMMA0123-21 | Introduction to Big Data INMMA0124-21 |

2. semester

| Computer science in engineering applications INMMA0206-21 | Introduction to Economics and Law INMMA0207-17 | Internet of Things systems and technologies INMMA0211-17 | Logic design using hardware description language INMMA0209-17 | Paralell image processing and pattern recognition INMMA0210-17 | Management and organizational knowledges INMMA0208-17 | |

3. semester

| Intelligent sensor networks INMMA9915-17 | Advanced switching and routing 1 (CCNP1) INMMA9914-17 | Multimedia networks INMMA9916-17 | Reconfigurable embedded systems INMMA9917-17 | Data processing in a cloud environment INMMA9925-21 | Thesis 1 INMMA0312-17 | Professional Training INMMA9997-21 | Advanced Development of Autonomous Vehicles INMMA9928-17 | Professional Training INMMA9997-21 |

4. semester

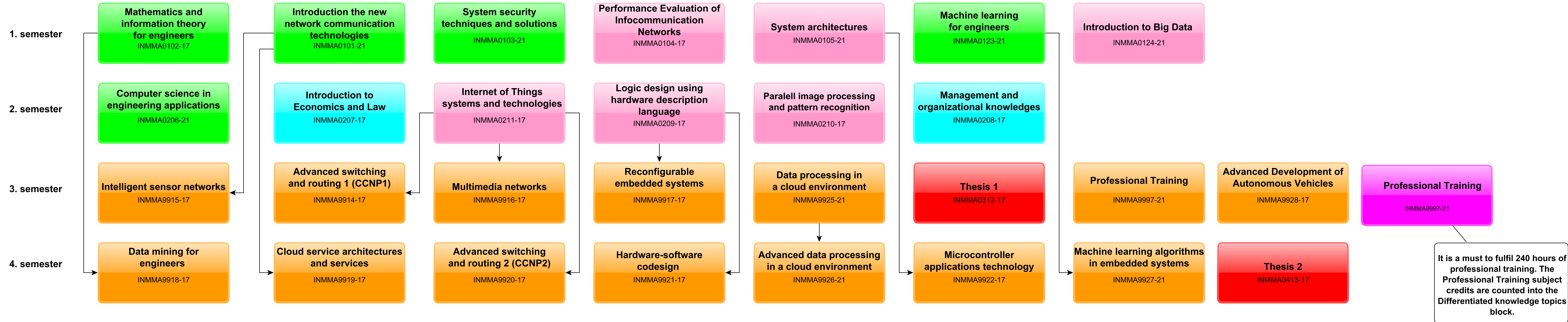| Data mining for engineers INMMA9918-17 | Cloud service architectures and services INMMA9919-17 | Advanced switching and routing 2 (CCNP2) INMMA9920-17 | Hardware-software codesign INMMA9921-17 | Advanced data processing in a cloud environment INMMA9926-21 | Microcontroller applications technology INMMA9922-17 | Machine learning algorithms in embedded systems INMMA9927-21 | Thesis 2 INMMA0413-17 |

It is a must to fulfil 240 hours of professional training. The Professional Training subject credits are counted into the Differentiated knowledge topics block.

Compulsory topics: | Natural Science | Humane and Economic Knowledge | Compulsory topics | Thesis work |

Differentiated knowledge topics | Differentiated knowledge topics (needed 24 credits) |

Professional Training subject - 9 credit