

MSc in Computer Science and Engineering 2011/2012

Summary of Courses – See Course Base – Technological Specialization

02204 Design of Asynchronous Circuits (5 ECTS)

02205 Principles of System-on-Chip Design (5 ECTS) *

02208 Test of Digital Systems (7.5 ECTS)

02211 Advanced Computer Architecture (5 ECTS)

02217 Design of Arithmetic Processors (5 ECTS)

02220 Distributed Systems (7.5 ECTS) *

02223 Fundamentals of Modern Embedded Systems (7.5 ECTS) *

02224 Real-Time Systems (5 ECTS)

02228 Safety-Critical Embedded Systems (7.5 ECTS)

02231 Advanced Modelling and Analysis of Embedded Systems (5 ECTS)

02233 Network Security (5 ECTS)

02234 Current Topics in System Security (5 ECTS)

02238 Biometric Systems (5 ECTS)

02239 Data Security (7.5 ECTS) *

02241 Robust Software Systems (5 ECTS)

02242 Program Analysis (7.5 ECTS) *

02243 Access Control and Distributed Systems (5 ECTS)

02244 Language-Based Security (7.5 ECTS)

02246 Model Checking (7.5 ECTS)

02249 Computationally Hard Problems (7.5 ECTS) *

02263 Formal Aspects of Software Engineering (5 ECTS)

02264 Requirements Engineering (10 ECTS)

02265 Advanced Topics in Software Engineering (5 ECTS)

02266 User Experience Engineering (5 ECTS)

02267 Software Development of Web Services (5 ECTS)

02281 Data Logic (5 ECTS)

02283 Algorithms for Massive Data Sets (5 ECTS)

02284 Knowledge-Based Systems (5 ECTS)

02285 Artificial Intelligence and Multi-Agent Systems (7.5 ECTS) *

02286 Logic in Computer Science, Artificial Intelligence and Multi-Agent Systems (7.5 ECTS)

02291 System Integration (5 ECTS) *

*** General Competences & one of the following two (one is mandatory)**

42435 Knowledge-Based Entrepreneurship (5 ECTS)

42490 Technology, Economics, Management and Organization (10 ECTS)