

**CURRICULUM OF THE SECOND-LEVEL STUDY PROGRAMME
ENGINEERING AND MANAGEMENT (FROM STUDY YEAR 2016/2017)**

1st YEAR	CP	Contact Hours (cumul.)	Student workload (hours)
ECONOMY FOR ENGINEERS	12	60	300
INTRODUCTION TO MODERN TECHNOLOGICAL SYSTEMS	12	60	300
SELECTED TOPICS IN APPLIED MATHEMATICS	6	45	150
ELECTIVE 1	9	45	225
ELECTIVE 2	6	30	150
ELECTIVE 3	6	30	150
GROUP PROJECT 1	9	15	225
CUMULATIVE	60	285	1500

2nd YEAR	CP	Contact Hours (cumul.)	Student workload (hours)
COMPANY STRATEGIC MANAGEMENT	9	45	225
SELECTED TOPICS FROM INFORMATION SCIENCES	9	45	225
ELECTIVE 4	9	45	225
ELECTIVE 5	6	30	150
ELECTIVE 6	6	30	150
PROJECT 2 - INDIVIDUAL RESEARCH WORK	6	15	150
MASTERS THESIS	15		375
CUMULATIVE	60	210	1500

COMPULSORY ELECTIVE	CP	Contact Hours (cumul.)	Student workload (hours)
AUTOMATIC CONTROL SYSTEMS	9	45	225
CONTEMPORARY MEASUREMENT TECHNIQUES	9	45	225
ROBOTICS	9	45	225
DECISION SUPPORT MODELS AND SYSTEMS	9	45	225
RESOURCE AND PROCESS MODELING	9	45	225
OPEN SOURCE INFORMATION SYSTEMS	9	45	225

GENERAL ELECTIVE COURSES	CP	Contact Hours (cumul.)	Student workload (hours)
ADVANCED MATERIALS	6	30	150
DATA MINING	6	30	150
KNOWLEDGE MANAGEMENT	6	30	150
PRODUCTION INFORMATION SYSTEMS	6	30	150
INTERNET OF THINGS	6	30	150
BUSINESS ENGLISH	6	30	150
BUSINESS COMMUNICATION WORKSHOP	6	30	150
DEVELOPMENT OF INNOVATIVE PRODUCTS AND SERVICES	6	30	150
INDUSTRIAL DESIGN	6	45	150
OTHER ACREDITED COURSES	do 12		