SOFTWARE ENGINEERING

3 ELECTIVE



➤► CORE CREDITS 35 →► MANDATORY PROGRAM CREDITS 147 →► ELECTIVE CREDITS 18 **►► TERM 1** CRD 21 Language Comprehension and Production I HU24 Leveling of language or have approved Language PDN (level definition test) Basic Mathematics 6 3 2 Programming I PROGRAM 1 1 MA393 Leveling Math or have approved Maths PDN (level definition test) CORE Creativity Workshop Does not have requirements TERM 2 CRD 21 4 4 2 5 Business Organization and Management CORE 1 Does not have requirements Language Comprehension and Production II 1 HU03 Language Comprehension and Production Academic Research Seminar I CORE 1 1 Programming II PROGRAM CC47 Programming I Calculus I CORE MA420 Basic Mathematics ►► TERM 3 CRD 21 4 3 4 Accounting and Budgeting Requirement Specification and Analysis PROGRAM 1 AD99 Business Organization and Manage Algorithms and Data Structures 1 1 PROGRAM CC67 Programming II and simultaneously with MA265 Discrete Mathematics Discrete Mathematics 6 MA420 Basic Mathematics and CC47 Programming I Physics I CORE MA262 Calculus I and MA95 Leveling of Physics or have approved Physics PDN (level definition test TERM 4 CRD 23 4 5 4 1 CC68 Algorithms and Data Structures Computer Architecture and Operating Systems PROGRAM MA265 Discrete Mathematics HCI and Mobile Technologies PROGRAM SI397 Requirement Specification and Analysis Computational Mathematics MA262 Calculus I Physics II MA466 Physics I ►► TERM 5 CRD 22 Open Source Applications PROGRAM 1 SI400 Database Design 3 1 Software Design and Patterns PROGRAM SI397 Requirement Specification and Analysis 6 Calculus II MA262 Calculus I Physics III TERM 6 CRD 19 Finance and Economic Engineering 1 CC68 Algorithms and Data Structures Algorithmic Complexity Data Networks and Communication PROGRAM SI407 Computer Architecture and Operating Systems Applied Statistics 1 MA475 Computational Mathematics TERM 7 CRD 20 5 4 5 3 Artificial Intelligence ISW Experiment Design PROGRAM MA469 Applied Statistics 1 and 100 approved credit 1 Fundamentals of Software Architecture PROGRAM SI424 Software Design and Patterns Concurrent and Distributed Programming CC76 Algorithmic Complexity Mobile Applications SI421 Aplicaciones Open Source ►► TERM 8 CRD 17 Academic Research Seminar II (Engineering) PROGRAM 2 HU159 Academic Research Seminar I and 145 approved credits 4 PROGRAM
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3 ELECTIVE SI433 ISW Experiment Design and HU61 English 5 Software Projects Management SI434 Fundamentals of Software Architecture SI405 Finance and Economic Engineering Sustainable Business Entrepreneurship TERM 9 CRD 19 SI434 Fundamentals of Software Architecture
SI412 Software Projects Management and have approved 2 pre-profes
Professional Performance Workshop
SI434 Fundamentals of Software Architecture Evaluation and New Trends of Software Architecture 4 PROGRAM 5 4 3 3 3 3 2 2 2 2 2 3 Project Workshop I PROGRAM Quality and Improvement of Software Processes PROGRAM Elective ELECTIVE **►► TERM 10** CRD 17 3 5 2 S1434 Fundamentals of Software Architecture
3 3 3 3 3 3 3 3 3 3 S1408 Project Workshop I Fundamentals of Business Intelligence PROGRAM Project Workshop II Elective ELECTIVE