Business Information Systems & Comp SCi Dual Major NOTICE: This "Eastern in 4" worksheet is a planning document only. Students should consult with their faculty advisor and use the Degree Evaluation to obtain an accurate assessment of their progress toward fulfilling graduation requirements. Name: Date: Revised: 10/1/2022 1st year Fall Eastern in 4 Notes Subj, Crs# Title Requirement/s Crs. A degree has GPA, Residency, Major, LAC, Foreign Language, University Writing, and Upper-level requirements. First-Year Introduction FYI 3 Minimum of 120 credits are required to graduate. If you have open space, fill in with "Elective." College Writing T1W Either LAC Tier I or Tier II Natural Sciences must be completed with a Lab course MAT 155 Precalculus T1M 3 Principles Of Macroeconomics T1SS 3 Students must maintain a cumulative GPA of 2.5 or higher to remain in the major. CSC 180 Fundamentals of Computing Major 3 Students may complete CSC 180 in lieu of CSC 110; see department for more information/substitution request such as using CSC 202 or 210. Students may complete CSC 202, 203, 210, or 231 in lieu of CSC 249 or CSC 251; see department for more information/substitution request. Total 15 Two of: BUS 201, 225, 315 or BIS 490; and BIS 377 or BIS 461 meet Eastern's major writing requirements and must be taken in residence. 1st year Spring minimum of 24 semester hours of the BIS program must be completed in residence at Eastern. Subj, Crs# Title Crs. Requirement/s Many BIS courses are only offered once a year. Please check the course catalog carefully ECO 201 Principles of Microeconomics T2IS MAT 243 Calculus I with Technology Major 4 BIS 205 Information Management T2IT 3 2 Health and Wellness T1HW Shaded blue box indicates course may count for major requirement and the LAC. Check Degree Evaluation. CSC 210 Computer Science Programming I T2IT 3 In plan Requirement Credit Rec. Year Total 15 Course LAC Tier I 2nd year Fall Must take in first 15 credits FYI 100 First-Year Introduction FYI 1st Subj, Crs# Title Requirement/s Crs. 3 ENG 100/P College Writing T1W 3 or 5 1st ACC 201 Principles of Accounting Maior 3 Must take in first 30 credits Math for Liberal Arts or Calc for Bus/Eco /AT 135/P or 195 T1M 3 or 4 1st (Fall) ECO 215 or MAT 216 Stats for Eco and Bus or Stat Data Major 3 3 Health and Wellness T1HW 2 or 3 1st Take in first 60 credits CSC 231 Computer Science and Programming I Major 2nd 3 3 Arts in Context T1A CSC 230 or MAT 230 Discrete Math CSC or Discrete Structures Major 2nd Business Information Systems Literature and Thought Major Historical Perspectives T1H 3 CSC 305 Data Mining & Apps Major Elec Natural Sciences T1NS 18 3 or 4 Total Social Sciences T1SS 3 1st 2nd year Requirement/s LAC Tier II Subj, Crs# Title Crs. T2CE Creative Expression 3 2nd T1A or T1LT OSC 260 Operations Management Major 3 T2CP T1A or T1H or T1LT or T1SS BIS 370 Systems Analysis and Design 3 **Cultural Perspectives** 3 4th Major Business Database Managemer Major T2NS BIS 373/See BIS Advisor Natural Sciences T1NS 3 or 4 3IS 205 Information Management T2IT 1st (Spring) T1M CSC 270 Data Structures 3 Major ECO 201 T2IS Principles of Management Major/W2 3 Principles of Microeconomics 3 1st (Spring) T1SS LAC Tier III CSC 314 Intro to Bioinfromat BIS 461 Seminar: Info Sys & Bus Strategy T3/W3 3 4th (Spring) BIS 370, two T2 LACs Total 18 3rd vear Subj, Crs# Title Requirement/s Crs. In plan Course Requirement Credit Rec. Year Prerequisite Arts in Context T1A Title 3 CO 215 or MAT 216 Stats for Eco and Bus or Stat Data 2nd T1M (Suggested BIS 205) BIS 375 Electronic Commerce 3 Major Major FIN 245 Business Finance CO 201 Principles of Microeconomics Major/T2IS 1st (Spring) T1SS Major SC 110* or CSC 180 Intro to Computing/Problem Solve Major CSC 251 Computer Networking Fundamentals Major 3 3 ACC 201 Principles of Accounting I Major 3 2nd CSC 320 Computer Org. and Architecture Major 3 BUS 201 Principles of Management Major/W2 3 1st T1W BIS 437 Rapid IT Adv. Elec 3 Information Management Major/T2IT 1st (Spring) T1M 18 BIS 205 3 Total BUS 225 Principles of Marketing Major/W2 T1W 3 3rd year 9 IN 245 Business Finance ACC 201, T1M or MAT 101 Subj, Crs# Crs. Title Requirement/s OSC 260 Operations Management Major Principles of Marketing 2nd/3rd MAT 216 or ECO 215 BUS 225 Major 3IS 361 Business Information Systems Major 2nd BIS 205 CSC 335 Algorithm Design and Analysis Major 3 Systems Analysis and Design Historical Perspectives 3IS 370 Major 3 BIS 205 3 Business Database Managemen 3IS 373 Major 4 2(Sp)/3(Fall) BIS 205 BIS 447 Business Intelligence Adv. Ele 3 CSC 249 or 251** Visual Basic.net or Net-centric Database and Info. Management Major T1M/ CSC 210 CSC 341 Major 3 3IS 375 Electronic Commerce Major 3 3rd (Fall) BIS 361 15 BIS 430 Enterprise Resource Planning Maior 3 4th (Fall) BIS 370 4th year Fall Seminar on Information System 3IS 461 4th (Spring) BIS 370, two T2 LACs Major/T3 3 Subj, Crs# Title Requirement/s Crs. 3rd(Sp)/4th GPA of 2.5 or higher BIS 430 Enterprise Resource Planning Maior 3 Advanced Elective Courses: Choose 3 (9 credits) from the following: Natural Sciences T2NS 3 ACC 420, BIS 305, 340, 362, 364, 365, 367, 368, 420, 437, 442, 447, 480, OSC 467 Literature and Thought Major/T3 300+ Elective (1 of 3) from list Major CSC 450 Senior Research 3 BIS 300+ Elective (2 of 3) from list Major BIS 367 Human Comp Interface & Design Adv. Elec 300+ Elective (3 of 3) from list Major 15 Total 4th year Spring Minor - Recommended but not required Subi. Crs# Title Requirement/s Crs. Credits required to complete a minor vary depending upon the minor selected. CSC 375 Artificial Intell Major Elec 3 Seminar on Information Systems n plan Requirement Credit Rec. Year Prerequisite BIS 461 Major/T3 3 Cultural Perspectives 3 T2CP Creative Expression T2CE 3 3 CSC 440 Operating Systems Major CSC 445 Software Engineering Major 3 Total 18 Grand Credit Total (120 minimum) 132 Transfer courses (ECE,AP), Winter Courses, Summer Courses Subj, Crs# Title Credits Requirements Summer Pior to Senior Year. Super Grand Total Credit: 135 Total Potential Clep Test