

Curriculum Requirements and Planner
INFORMATION TECHNOLOGY MAJOR

Name _____

UMS ID _____

NON-MANAGEMENT COURSEWORK

Non-Management Foundation: 6 courses (18 credits)

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| First Year/ Intermediate Seminar | |
| English 101 | |
| English 102 | |

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| Economics 101 | |
| Economics 102 | |
| Math 134 | |

General Education Requirements: 7 courses (21 credits) *

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| Arts & Humanities (AR or HU) | |
| Arts & Humanities (AR or HU) | |
| Natural Science/Math (NS or MT) | |
| Natural Science/Math (NS or MT) | |

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|----------------------------------|--|
| Social & Behavioral Science (SB) | |
| Social & Behavioral Science (SB) | |
| World Languages & Cultures | |

Non-Business Electives (from CLA and CSM): 6 courses (18 credits)*

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* At least four of the total thirteen courses within these distribution requirements and non-business electives must be at the 200 level or above.

CM International Requirement: 1 course**

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CM Diversity Requirement: 1 course**

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** These courses may overlap with each other, with non-management requirements or management requirement.

CM Writing Requirement: 1 course (3 credits)

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| BC 290 Analysis and Communication for Managers | |
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pre-req: ENGL 101 & 102

MAJOR COURSEWORK

BSIT Core (11 courses – 33 credits)

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| IT 110 IT Problem Solving | |
| IT 111 Managerial Statistics | |
| IT 114 Introduction to Java (part 1) | |
| IT 115 Introduction to Java (part 2) | |
| IT 230 Databases | |
| IT 240 Web Fluency | |
| IT 244 Introduction to Linux/Unix | |
| IT 246 Networking | |
| IT 285 Societal Issues | |
| IT 425 Project Management | |
| IT 485 IT Capstone | |

pre-req: MATH 129 or MATH 130

pre-req: MATH 129 or MATH 130, co-req: MSIS 110 or IT 110

pre-req: MATH 129 or MATH 130

pre-req: IT 114 or CS 114

pre-req: IT 114 or MSIS 124

pre-req: IT 110

pre-req: IT 114

pre-req: IT 110

pre-req: IT 110

pre-req: 60 credits and MSIS 110 or IT 110

pre-req: IT 425

BSIT Track Selections – All BSIT students must complete at least one track

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| Information Architecture Track (4 courses – 12 credits) | OR | Systems Administration Track (4 courses – 12 credits) |
| IT 360 Enterprise Software - pre-req: IT 110 and 60 credits | | IT 341 Introduction to System Administration - pre-req: IT 244 |
| IT 428 Information Security - pre-req: IT 110 and 60 credits | | IT 441 Network Services Administration - pre-req: IT 341 |
| IT 460 Integration Methodologies and Tools - pre-req: IT 110 and 60 credits | | IT 442 Windows System Administration - pre-req: IT 244 |
| IT 461 Systems Analysis and Design - pre-req: IT 110 and 60 credits | | IT 443 Network Security Administration - pre-req: IT 341 |

PROFESSIONAL ELECTIVES

GROUP ONE: Take at least two from: AF 210, 211, 301; BIOL 360; Any CS course; MGT 303, 330 (if not used as Intermediate Seminar), 331; MKT 301; MSIS 110, 212, 301; IT 341, 360, 441, 442, 443, 460. PHIL 307; PSYCH 271L.

ADDITIONAL CHOICES: No more than two courses can be taken from this group as professional electives or general electives or courses that go beyond the IT major requirements and credits. General Electives can also be courses offered outside the College of Management or Information Technology program.

AF 310, 311, 315, 325, 330, 335, 363, 410, 425, 433, 435, 445, 450, 451, 455, 463, 470, 475, 478, 480, 485, 488, 495

MGT 401, 402, 421, 431, 434, 450, 470, 478, 480, 488

MKT 310, 402, 403, 404, 405, 406, 407, 430, 478, 480, 488

No more than one course can be taken from this group as professional electives or general electives or courses that go beyond the IT major requirements and credits. MSIS 309, 310 (note: students can get credit for only one of MSIS 309 or 310), 411, 414, 415, 416, 422, 426, 427, 428, 430, 450, 452, 454, 455, 461, 478, 480, 488

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GENERAL ELECTIVES (may be from any college)

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NOTE: 120 credits are required to earn the Bachelor of Science Degree from the University of Massachusetts – Boston.