IT+MSIT program - Updated 6/7/2018

Information Technology Semester Curriculum

University of Cincinnati/CECH

Fall (S1)
- IT 1050 Fundamentals of IT (3)
- IT 1080C Computer Networking (3)
- IT 1090C Computer Programming I (3)
- ENGL 1001 English Composition (3)
- MATH 1026 Pre-Calculus (5)
- PO 1010 Intro to COOP for CECH (1)

Spring (S2)
- Track Course 3
- IT 2040C Fund. of Web Development Intro to Interpersonal Communication (3)
- IT 2070C Info. Sec. and Assurance (3)

Fall (S3)
- Track Course 2 (3)
- IT 1060C Database Management II (3)
- IT 2020 Implications of IT (3)
- IT 1051C Fund. of Digital Media (3)
- HPE 2071 Applied Statistics (3)
- Science Elective* (3)

Summer (S4)
- Track Course 3 (3)
- IT 2030C Info. Sec. and Assurance (3)
- Advisor Approved Elective (3)

Spring (S5)
- Track Course 4 (3)

Fall (S6)
- Track Course 5 (3)
- ENGL 4091 Writing for Business (3)
- OR
- Technical and Scientific Writing (3)

IT 2021 Human Comp. Interaction (3)
- Advisor Approved Elective** (3)
- Gen Ed Elective** (3)

IT 3020 Systems Analysis & Design (3)
- IT 7001 Information Technology Research Methods (3)

IT 7040 Human Computer Interaction and Usability (3)

Summer (S7)
- Advisor Approved Elective (3)
- Advisor Approved Elective (3)
- MSIT Elective 1 (advisor approved from other discipline) (3)
- MSIT Elective 1 (advisor approved from other discipline) (3)

Fall (S8)
- IT 5001 Senior Design Proj Mgt I (3)
- Track Course 6 (3)
- Track Course 7 (3)

Spring (S9)
- IT 5002 Senior Design Proj Mgt II (3)
- IT 5004 Senior Design Proj Mgt I (3)
- IT 5071 Senior Design Cybersecurity Technical Practicum I (7)
- IT 5072 Senior Design Cybersecurity Technical Practicum II (8)
- IT 5073 Senior Design Cybersecurity Technical Practicum III (9)
- IT 5074 Senior Design Cybersecurity Technical Practicum IV (10)
- IT 5075 Senior Design Cybersecurity Technical Practicum V (11)
- IT 5076 Senior Design Cybersecurity Technical Practicum VI (12)
- IT 5077 Senior Design Cybersecurity Technical Practicum VII (13)
- IT 5078 Senior Design Cybersecurity Technical Practicum VIII (14)
- IT 5079 Senior Design Cybersecurity Technical Practicum IX (15)
- IT 5080C Network Game Development (6)
- IT 3081C Game Engine Lab 2 (5)
- IT 3049C Web Game Development (3)
- IT 3037C Cloud Computing (3)
- IT 3071C Network Security (4)
- IT 3083C Scripting Languages (5)
- IT 4037C Special Topics in Networking/Systems (6)
- IT 5031 Senior Design Networking/Systems Technical Practicum I (7)
- IT 5032 Senior Design Networking/Systems Technical Practicum II (8)

Information Technology Co-op Schedule

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*Students must meet with their co-op advisor within the first three weeks of the semester that precedes their first planned co-op semester. With prior approval of the academic and co-op advisors, students may take up to six credit hours of courses while on co-op. Students must complete and pass all coursework for S1 and S2 and have a minimum 2.0 GPA to be eligible to co-op.

** Science Electives must be from BIOL, CHEM, PHYS or QUDL.

*** General Education Electives must be from designated as Fine Arts, Historical Perspectives, Humanities and Literature, or Social Sciences. Each elective must represent a different area.

** Students are considered undergraduate CECH students for the first four years of the program (S1 to S4 and C1 to C3), will become graduate students in the fifth year of the program (S5, S6, and S7), and will graduate with a Bachelor of Science in Information Technology and Master of Science in Information Technology at the end of the spring semester of the fifth year.

++ Cybersecurity track students should take CI1001 Introduction to Criminal Justice and POL2035 Cybersecurity Strategy and Policy as their first two advisor approved electives.

++ Students in the Cybersecurity track must take IT2030 in the spring of their freshmen year (S2). All other students will take in their second year (S4).