



## Sample Four-Year Plan for a BS in Information Technology

	Fall Semester	Spring Semester
Freshman Year	IT 110 – 3 cr Math 130 – 3 cr English 101 – 3 cr First Year Seminar – 4 cr General Education – 3 cr (16 credits)	Math 135 or Math 140 – 4 cr English 102 – 3 cr IT 111L – 3 cr IT 240 or 246 – 3 cr General Education – 3 cr (16 credits)
Sophomore Year	IT 116 – 3 cr IT 230L – 3 cr IT 240 or 246 – 3 cr General Education – 3 cr General Education – 3 cr (15 credits)	IT 244 – 3 cr IT 117 – 3 cr IT 200/300-Level Course in Track – 3 cr Intermediate Seminar – 3 cr General Education – 3 cr (15 credits)
Junior Year †	IT 200/300/400-Level Course in Track – 3 cr IT 285L – 3 cr General Education – 3 cr General Education – 3 cr ** Elective – 3 cr (15 credits)	IT 300/400-Level Course in Track – 3 cr IT 300/400-Level Course in Track – 3 cr IT 300/400-Level Course in Track – 3 cr Professional Elective – 3 cr General Education – 3 cr (15 credits)
Senior Year	IT 425 – 3 cr Professional Elective – 3 cr General Education – 3 cr General Education – 3 cr Elective – 3 cr (15 credits)	IT 485 (IT Capstone) – 3 cr Professional Elective – 3 cr General Education – 3 cr Elective – 3 cr Elective – 3 cr (15 credits)

\* - Class may be offered only once a year.

\*\* - For Computer Forensics track, SOCIOL 104 is recommended.

† - The Writing Proficiency Requirement (WPR) is recommended to be completed at 60-75 credits. Please consult the WPR website:  
[www.umb.edu/academics/vpass/undergraduate\\_studies/writing\\_proficiency](http://www.umb.edu/academics/vpass/undergraduate_studies/writing_proficiency)

**IT Tracks:** Students should choose a track in Business Intelligence, Computer Forensics, Information Architecture, or System Administration by the end of their sophomore year.

- This document is a suggested plan for the major. Students must meet with their faculty advisor each semester and refer to their degree audit to ensure adequate progress toward their degree.
- See reverse side for more detailed information

## Information Technology BS Course Number Guide

This course guide provides the detailed names of courses listed by number on the four-year plans. It is not a comprehensive list of courses for your major, or a substitute for an advising appointment! Consult with your faculty advisor when choosing courses, and check your degree audit regularly.

IT 110 – IT Problem Solving

IT 111L – Managerial Statistics

IT 116 – Introduction to Scripting

IT 117 – Intermediate Scripting

IT 230L – Relational Databases

IT 240 – Web Fluency

IT 244 – Introduction to Unix/Linux

IT 246 – Introduction to Networks

IT 285L – Social Issues and Ethics in Computing

IT 425 – Project Management

IT 485 – IT Capstone

Math 130 – Precalculus

Math 135 (Survey of Calculus) or Math 140 (Calculus I)

### **Additional resources:**

[www.umb.edu/academics/vpass/undergraduate\\_studies/general\\_education\\_requirements](http://www.umb.edu/academics/vpass/undergraduate_studies/general_education_requirements)

[www.umb.edu/academics/course\\_catalog/search](http://www.umb.edu/academics/course_catalog/search)

[www.umb.edu/academics/csm/student\\_success\\_center/degree\\_planning/math\\_placement](http://www.umb.edu/academics/csm/student_success_center/degree_planning/math_placement)